

Group	Genome Name	Match to Lake Baikal Illumina MAG (99% ANI)	cMAG	Genome Size (bp)	Number Contigs	Longest Contig (Scaffold)	Shortest Contig (Scaffold)	GC (%)	Number Proteins	Average Protein Size	Median Inter-genic spacer (bp)	Density (nt/1000)	Coding (%)	Completeness (%)	Contamination (%)	GTDB Taxonomy	GTDB Classification Method
Acidobacteria	Vicinobacteriales-Baikal1600m-PB-G2	Acidobacteria-Baikal-deep-G12 / Baikal-deep-G4	—	4,886,496	43	733,256	2,255	65.3	4,622	63.1	93	92.35	4.84	0.0	0.0	d_Bacteriap_AcidobacteriotaAc_Vicinobacteriales_Vicinobacteriales_Baikal2999g_12-FULL-67-14b3_s	topology AND ANI
Actinobacteria	Acidimicrobia-Baikal1600m-PB-G1	Acidimicrobia-Baikal-deep-G23	—	2,144,435	8	1,670,992	6,563	58.3	2,139	308.8	31	93	77.8	1.3	0.0	d_Bacteriap_ActinobacteriotaAc_Acidimicrobia_IMC6256f_IMC6256f_g	topology AND ANI
Actinobacteria	Acidimicrobia-Baikal1600m-PB-G3	Baikal-G2 / Acidimicrobia-Baikal-deep-G2	—	2,083,303	11	823,156	19,788	53.3	2,263	281.7	25.5	93	96.6	2.7	0.0	d_Bacteriap_ActinobacteriotaAc_Acidimicrobia_IMC6256f_PALSA-555g_s	topology AND ANI
Actinobacteria	Ca. Nanopelagius-Baikal1600m-PB-G4	Ca. Nanopelagiales-Baikal-deep-G27	—	1,215,619	6	725,322	3,126	42.1	1,263	300.7	15	95	79.8	0.0	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_g	topology AND ANI
Actinobacteria	Ca. Planktophila-Baikal1600m-PB-G5	Ca. Planktophila-Baikal-deep-G30	—	1,448,997	10	388,832	15,501	48.1	1,496	303.1	12	95	81.2	0.5	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_Planktophila_s	topology AND ANI
Actinobacteria	Ca. Planktophila-Baikal1600m-PB-G6	Ca. Planktophila-Baikal-deep-G31	—	6,389,713	6	473,148	66	47.18	66	151.9	20	97	47.7	0.0	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_Planktophila_g	topology AND ANI
Actinobacteria	Ca. Planktophila-Baikal1600m-PB-G7	Ca. Planktophila-Baikal-deep-G30	—	1,302,135	7	414,753	11,518	47.5	1,513	253.3	20	91	74.7	1.1	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_Planktophila_g	topology AND ANI
Actinobacteria	Ilumatobacteraceae-Baikal1600m-PB-G8	Ilumatobacteraceae-Baikal-deep-G17	—	1,440,491	15	284,918	8,373	52.0	1,641	274.6	16	94	78.2	0.9	0.0	d_Bacteriap_ActinobacteriotaAc_AcidimicrobiaAc_Acidimicrobiales_Ilumatobacteraceae_BA1006t_s	topology AND ANI
Actinobacteria	Ilumatobacteraceae-Baikal1600m-PB-G9	Ilumatobacteraceae-Baikal-deep-G17	—	2,010,927	17	443,986	8,749	47.7	2,078	302.0	20	94	86.4	4.7	0.0	d_Bacteriap_ActinobacteriotaAc_AcidimicrobiaAc_Acidimicrobiales_Ilumatobacteraceae_BA127f_s	topology AND ANI
Actinobacteria	Ilumatobacteraceae-Baikal1600m-PB-G10	Ilumatobacteraceae-Baikal-deep-G17	—	2,120,470	3	1,629,087	59,052	51.1	2,106	319.0	17	96	97.9	1.3	0.0	d_Bacteriap_ActinobacteriotaAc_AcidimicrobiaAc_Acidimicrobiales_Ilumatobacteraceae_BA129f3_s	topology AND ANI
Actinobacteria	Ilumatobacteraceae-Baikal1600m-PB-G11	Ilumatobacteraceae-Baikal-deep-G17	—	2,183,199	6	201,386	11,991	51.7	2,138	311.7	19	96	97.9	1.3	0.0	d_Bacteriap_ActinobacteriotaAc_AcidimicrobiaAc_Acidimicrobiales_Ilumatobacteraceae_BA129f3_s	topology AND ANI
Actinobacteria	Nanopelagiales-Baikal1600m-PB-G12	Ca. Nanopelagiales-Baikal-deep-G14	—	2,345,733	11	855,656	9,998	57.8	2,432	293.3	28	92	94.7	0.5	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_g	topology AND ANI
Actinobacteria	Nanopelagiales-Baikal1600m-PB-G13	Ca. Nanopelagiales-Baikal-deep-G14	—	1,654,748	7	990,038	6,697	46.4	1,743	290.7	21	93	84.2	0.0	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_QYP10t_s	topology AND ANI
Actinobacteria	Nanopelagiales-Baikal1600m-PB-G14	Ca. Nanopelagiales-Baikal-deep-G14	—	1,131,846	12	238,295	23,381	44.1	1,261	276.3	17	93	66.5	4.7	0.0	d_Bacteriap_ActinobacteriotaAc_ActinomycetiaAc_Nanopelagiales_Nanopelagiales_g	topology AND ANI
Actinobacteria	Thermophilophila-Baikal1600m-PB-G15	Thermophilophila-Baikal-deep-G28	—	1,630,020	3	840,662	119,520	68.1	1,716	270.9	39	86	89.9	0.9	0.0	d_Bacteriap_ActinobacteriotaAc_Thermophilophila_QG007560f_QG007560f_SFY01s	topology AND ANI
Actinobacteria	Thermophilophila-Baikal1600m-PB-G16	Thermophilophila-Baikal-deep-G21	Yes	2,256,386	3	1,726,392	68.1	2,256	309.1	22	88	98.4	0.4	0.0	d_Bacteriap_ActinobacteriotaAc_Thermophilophila_Gaialles1_f_1-F40-MAG149g_1-F40-MAG149g_s	topology AND ANI	
Actinobacteria	Williamsia-Baikal1600m-PB-G17	Williamsia-Baikal-deep-G21	Yes	1,994,645	19	1,994,645	24,875	62.1	6,945	217.3	84	88	98.2	0.0	0.0	d_Bacteriap_ActinobacteriotaAc_MycobacterialesAc_Mycobacteriales_Williamsia_muralis	topology AND ANI
Alphaproteobacteria	Acetobacteraceae-Baikal1600m-PB-G18	Acetobacteraceae-Baikal-deep-G58	—	2,750,257	31	247,627	16,830	60.6	3,207	230.1	71	81	67.07	0.83			