Life-cycle of a JGI Microbial Finishing Project - LANL

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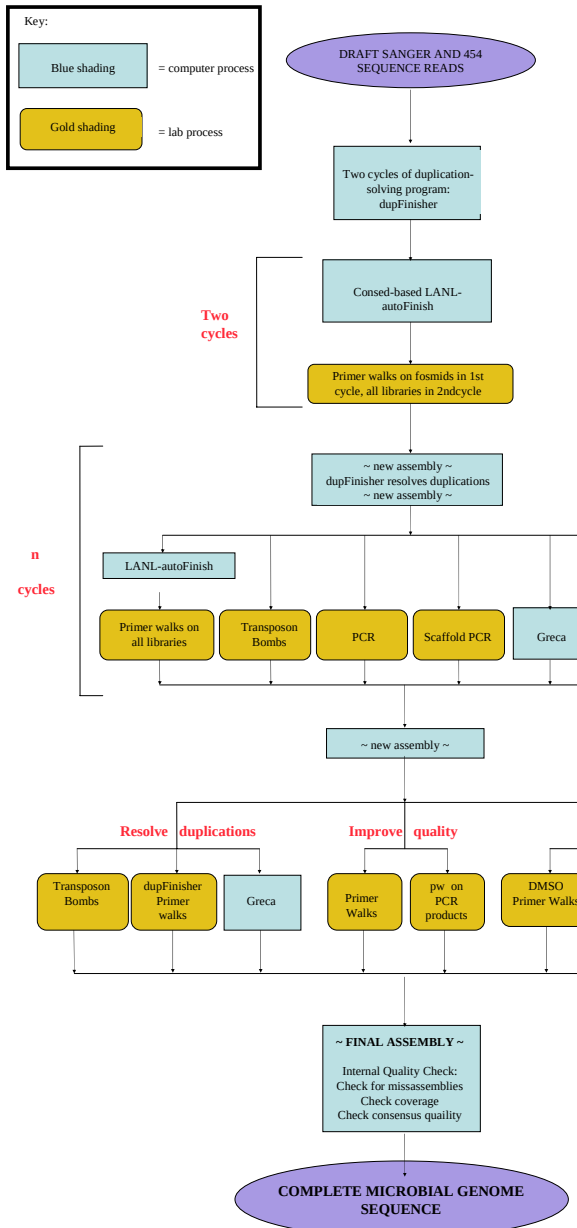

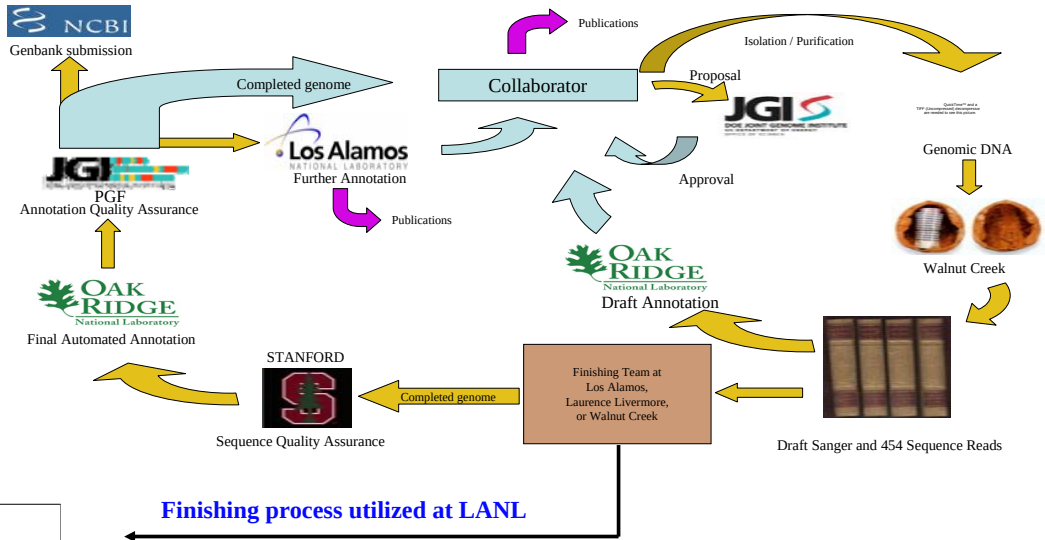

Finishing process utilized at LANL

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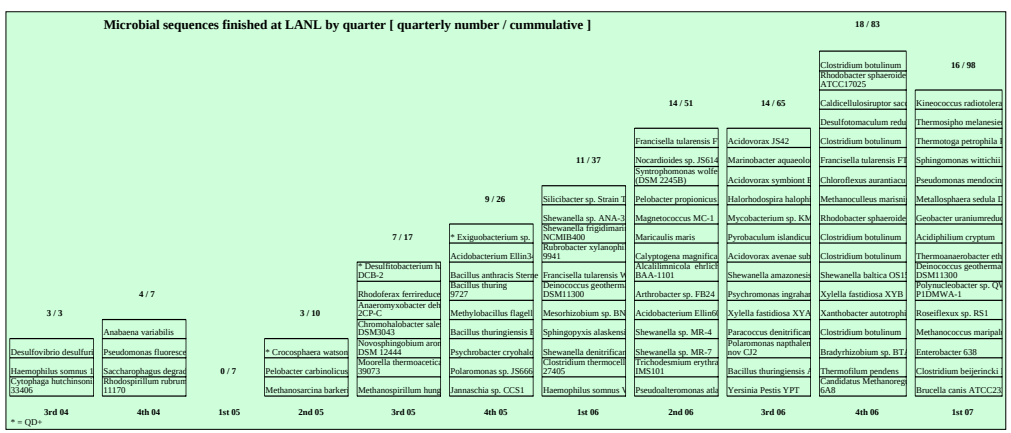
A broad-brush overview of the process utilized to finish a microbial genome at JGI-LANL will be presented. The presentation will include activities of informatics, wet lab and finishing team members as they interact and coordinate efforts to complete the sequencing of the microbe. Some of the accomplishments and highlights of the finishing processes at LANL will be presented. Additionally, the interaction of the LANL efforts with those of the other portions of the JGI will be described.

LA-UR 07-1235

100th LANL Genome

Shewanella baltica OS185 4003208

coming soon



Finished Genomes from A to Z

1	Acidiphilium cryptum JF-5	4000181
2	Acidobacterium Ellin345	4000157
3	Acidobacterium Ellin6076	3634513
4	Acidovorax avenae subsp. Citrulli	4001427
5	Acidovorax JS42	4001426
6	Acidovorax symbiont EF01-2	4001428
7	Alcalilimnicola ehrlichei ATCC BAA-1101	4000239
8	Anabaena variabilis	3436094
9	Anaeromyxobacter dehalogenans 2CP-C	3634483
10	Arthrobacter sp. FB24	3634492
11	Bacillus anthracis Sterne	
12	Bacillus thuringiensis 9727	
13	Bacillus thuringiensis ALH	
14	Bacillus thuringiensis E33L	
15	Bradyrhizobium sp. BTAi1	4000390
16	Brucella canis ATCC23365	
17	Caldicellulosiruptor saccharolyticus	4000186
18	Calyptogena magnifica symbiont	4000245
19	Candidatus Methanoregula boonei 6A8	4002915
20	Chloroflexus aurantiacus J-10-fl	4000861
21	Chromohalobacter salexigens DSM3043	3634505
22	Clostridium beijerinckii NCIMB 8052	3634512
23	Clostridium botulinum	4001301
24	Clostridium botulinum	
25	Clostridium botulinum	
26	Clostridium botulinum	
27	Clostridium botulinum	
28	Clostridium thermocellum ATCC 27405	2351472
29	Crocosphaera watsonii WH8501 *	3436096
30	Cytophaga hutchinsonii ATCC 33406	2351473
31	Deinococcus geothermalis DSM11300	3634504
32	Desulfitobacterium hafniense DCB-2 *	2351519
33	Desulfotomaculum reducens MI-1	4000266
34	Desulfovibrio desulfuricans G20	2662206
35	Enterobacter 638	4002721
36	Exiguobacterium sp. 255-15 *	2662203
37	Francisella tularensis FTA	4000939
38	Francisella tularensis FTM	4002381
39	Francisella tularensis Wyoming	4000097
40	Geobacter uraniumreducens RF4	4000183
41	Haemophilus somnus 129PT	2662200
42	Haemophilus somnus V	
43	Halorhodospira halophila SL1	4000187
44	Jannaschia sp. CCS1	3634500
45	Kineococcus radiotolerans	3436090
46	Magnetococcus MC-1	2351493
47	Maricaulis maris	4001624
48	Marinobacter aquaeoloi	3640420
49	Mesorhizobium sp. BNC1	2662197
50	Metallosphaera sedula DSMZ 5348T	4003005
51	Methanococcus maripaludis C5	4003073
52	Methanoculleus marisnigri	4001178
53	Methanosarcina barkeri fusaro	2351479
54	Methanospirillum hungateii JF1	3634479
55	Methylobacillus flagellatus KT	3436091
56	Moorella thermoacetica ATCC 39073	3436494
57	Mycobacterium sp. KMS	4000379
58	Nocardioides sp. JS614	3634503
59	Novosphingobium aromaticivorans DSM 12444	2351474
60	Paracoccus denitrificans 1222	3634481
61	Pelobacter carbinolicus DSM 2380	3436109
62	Pelobacter propionicus	3436113
63	Polaromonas naphthalenivorans sp. nov CJ2	4000361
64	Polaromonas sp. JS666	3634502
65	Polymucleobacter sp. QWL-P1DMWA-1	4001734
66	Pseudoalteromonas atlantica T6c	4000130
67	Pseudomonas fluorescens PfO-1	2351488
68	Pseudomonas mendocina ymp	4002766
69	Psychrobacter cryohalolentis K5	3635662
70	Psychromonas ingrahamii	4000833
71	Pyrobaculum islandicum DSM 4184	4002681
72	Rhodobacter sphaeroides 17029	4000715
73	Rhodobacter sphaeroides ATCC17025	4000699
74	Rhodoferax ferrireducens	3635488
75	Rhodospirillum rubrum ATCC 11170	2662195
76	Roseiflexus sp. RS1	4000376
77	Rubrobacter xylanophilus DSM 9941	3436081
78	Saccharophagus degradans 2-40	2662192
79	Shewanella amazonensis SB2B	3634694
80	Shewanella baltica OS155	3634605
81	Shewanella denitrificans OS217	3634607
82	Shewanella frigidimarina NCMIB400	3634606
83	Shewanella sp. ANA-3	4000368
84	Shewanella sp. MR-4	4000369
85	Shewanella sp. MR-7	4000370
86	Silicibacter sp. strain (ex Roseobacter) TM1040	3634501
87	Sphingomonas wittichii RW1	4002524
88	Sphingopyxis alaskensis RB2256	3634495
89	Syntrophomonas wolfei Göttingen (DSM 2245B)	3634478
90	Thermoanaerobacter ethanolicus 39E	3635487
91	Thermofilum pendens	4001423
92	Thermosipho melanesiensis BI429	4002279
93	Thermotoga petrophila RKU-1	4002277
94	Trichodesmium erythraeum IMS101	2662189
95	Xanthobacter autotrophicus Py2	4000362
96	Xylella fastidiosa XYA	4002191
97	Xylella fastidiosa XYB	4002280
98	Yersinia Pestis YPT	4001066

* = QD+