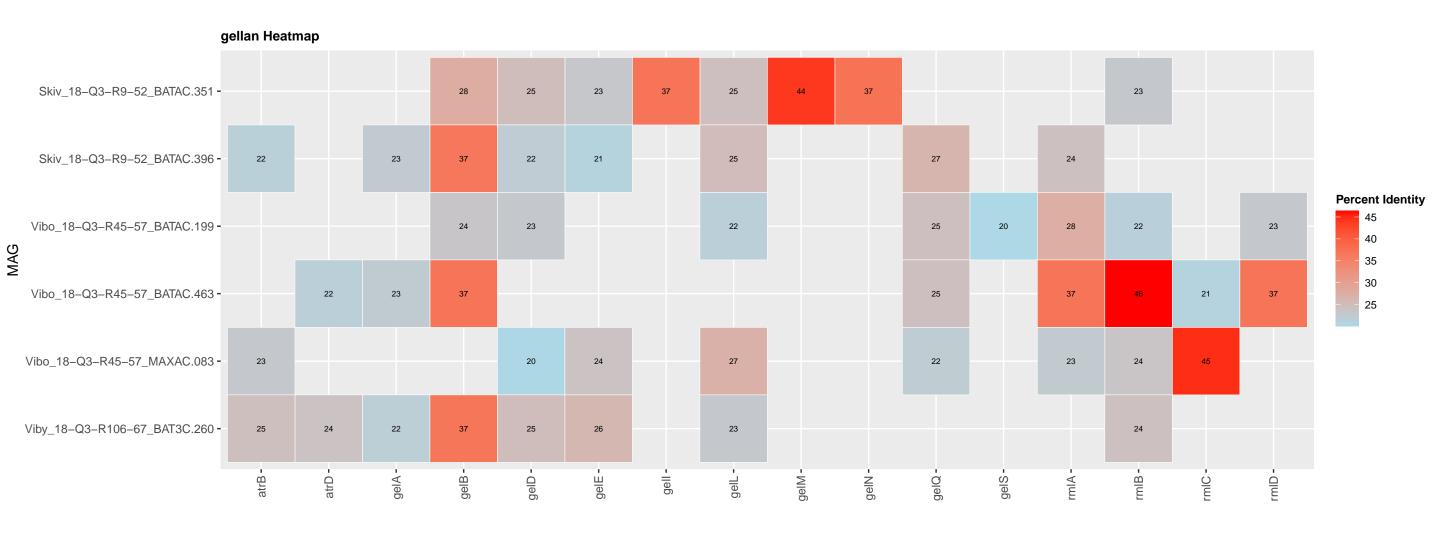
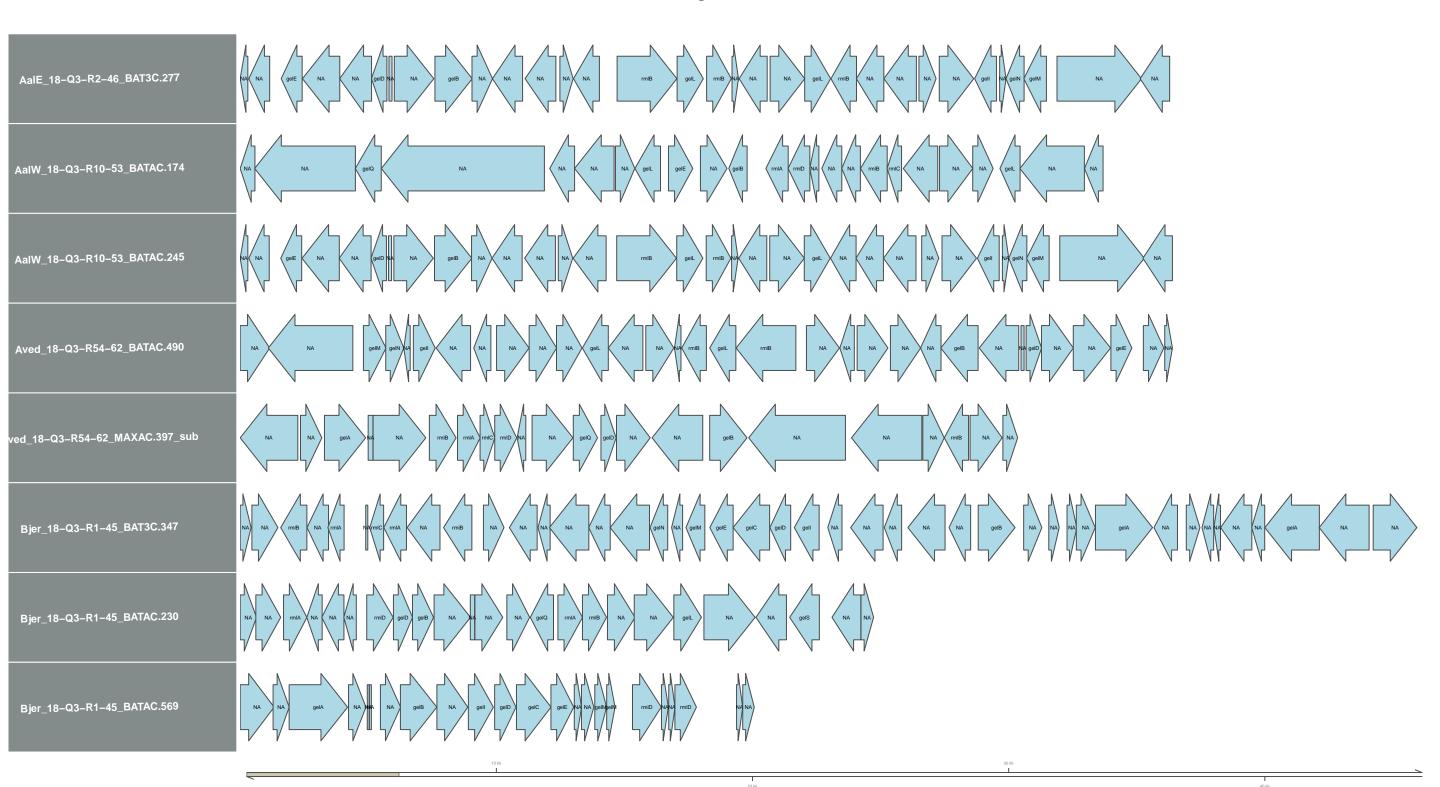
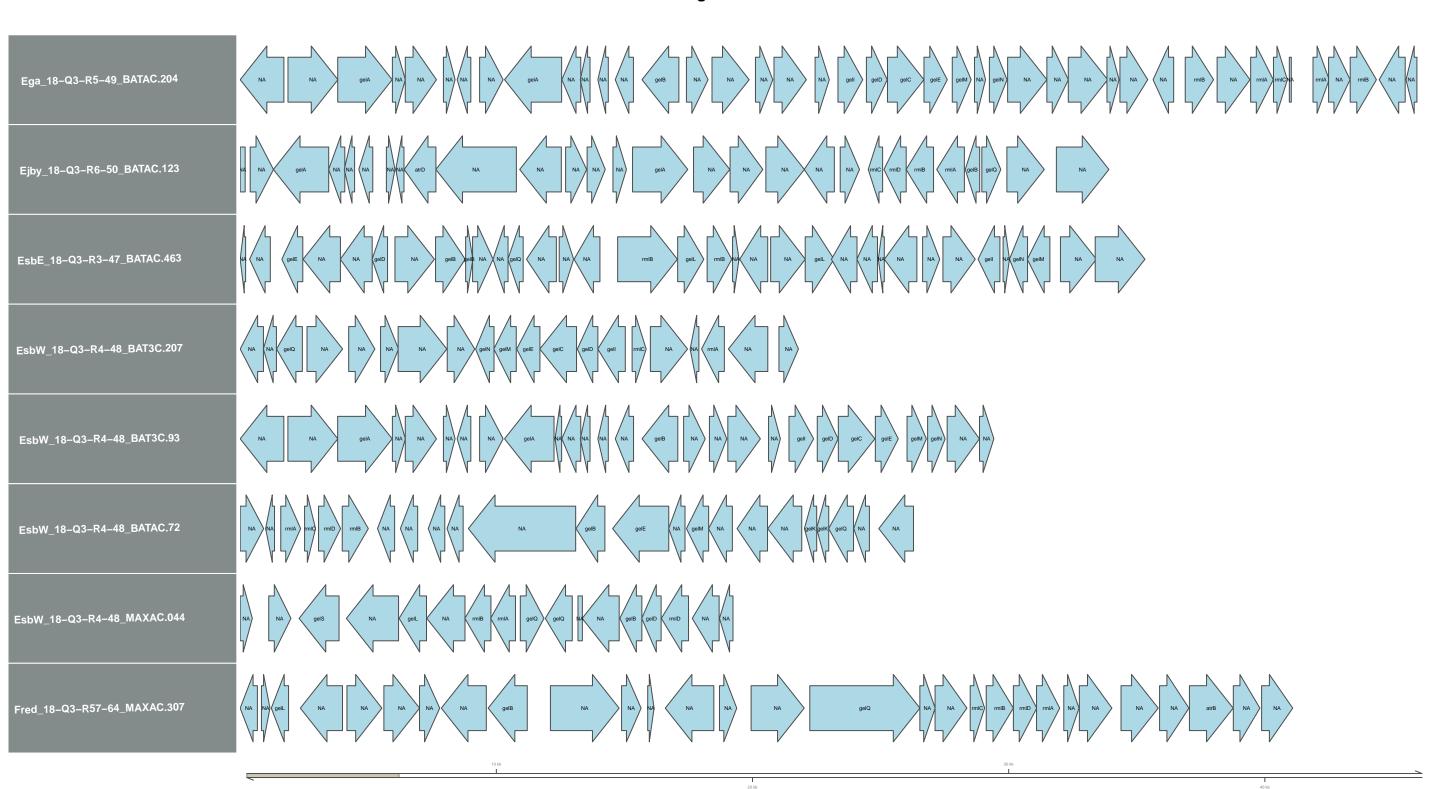
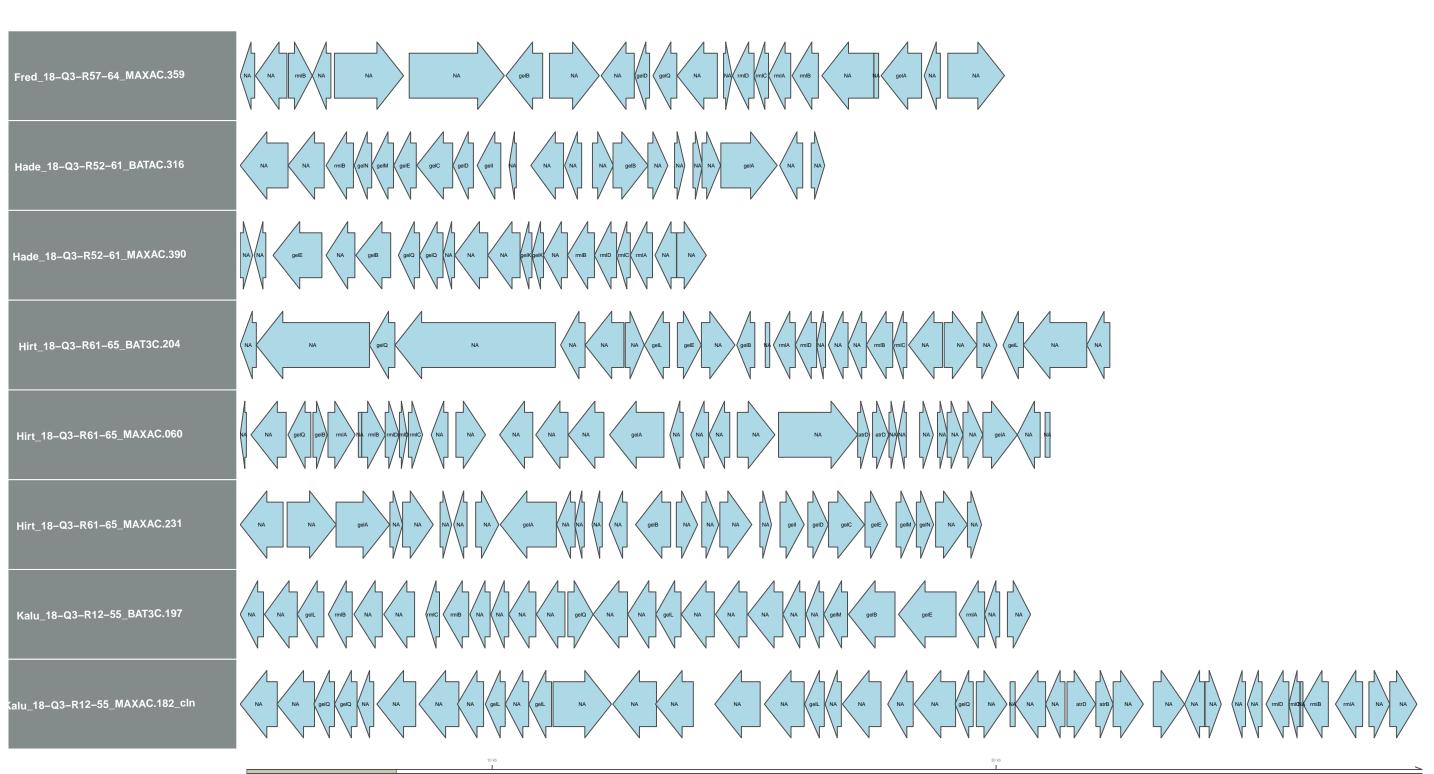
gellan Heatmap AaIE_18-Q3-R2-46_BAT3C.277 -AalW_18-Q3-R10-53_BATAC.174 -AalW_18-Q3-R10-53_BATAC.245 -Aved_18-Q3-R54-62_BATAC.490 -Aved_18-Q3-R54-62_MAXAC.397_sub -Bjer_18-Q3-R1-45_BAT3C.347 -**Percent Identity** Bjer_18-Q3-R1-45_BATAC.230 -MAG Bjer_18-Q3-R1-45_BATAC.569 -Ega_18-Q3-R5-49_BATAC.204 -Ejby_18-Q3-R6-50_BATAC.123 - 20 EsbE_18-Q3-R3-47_BATAC.463 -EsbW_18-Q3-R4-48_BAT3C.207 -EsbW_18-Q3-R4-48_BAT3C.93 -EsbW_18-Q3-R4-48_BATAC.72 -EsbW_18-Q3-R4-48_MAXAC.044 -gelQ

gellan Heatmap Fred_18-Q3-R57-64_MAXAC.307 -Fred_18-Q3-R57-64_MAXAC.359 -Hade_18-Q3-R52-61_BATAC.316 -Hade_18-Q3-R52-61_MAXAC.390 -Hirt_18-Q3-R61-65_BAT3C.204 -Hirt_18-Q3-R61-65_MAXAC.060 -**Percent Identity** Hirt_18-Q3-R61-65_MAXAC.231 -MAG Kalu_18-Q3-R12-55_BAT3C.197 -Kalu_18-Q3-R12-55_MAXAC.182_cln -Lyne_18-Q3-R50-59_MAXAC.018 -Lyne_18-Q3-R50-59_MAXAC.349 -Mari_18-Q3-R65-66_BATAC.299 -OdNW_18-Q3-R42-56_BATAC.52 -Ribe_18-Q3-R11-54_BATAC.412 - 23 Ribe_18-Q3-R11-54_BATAC.569 -gell

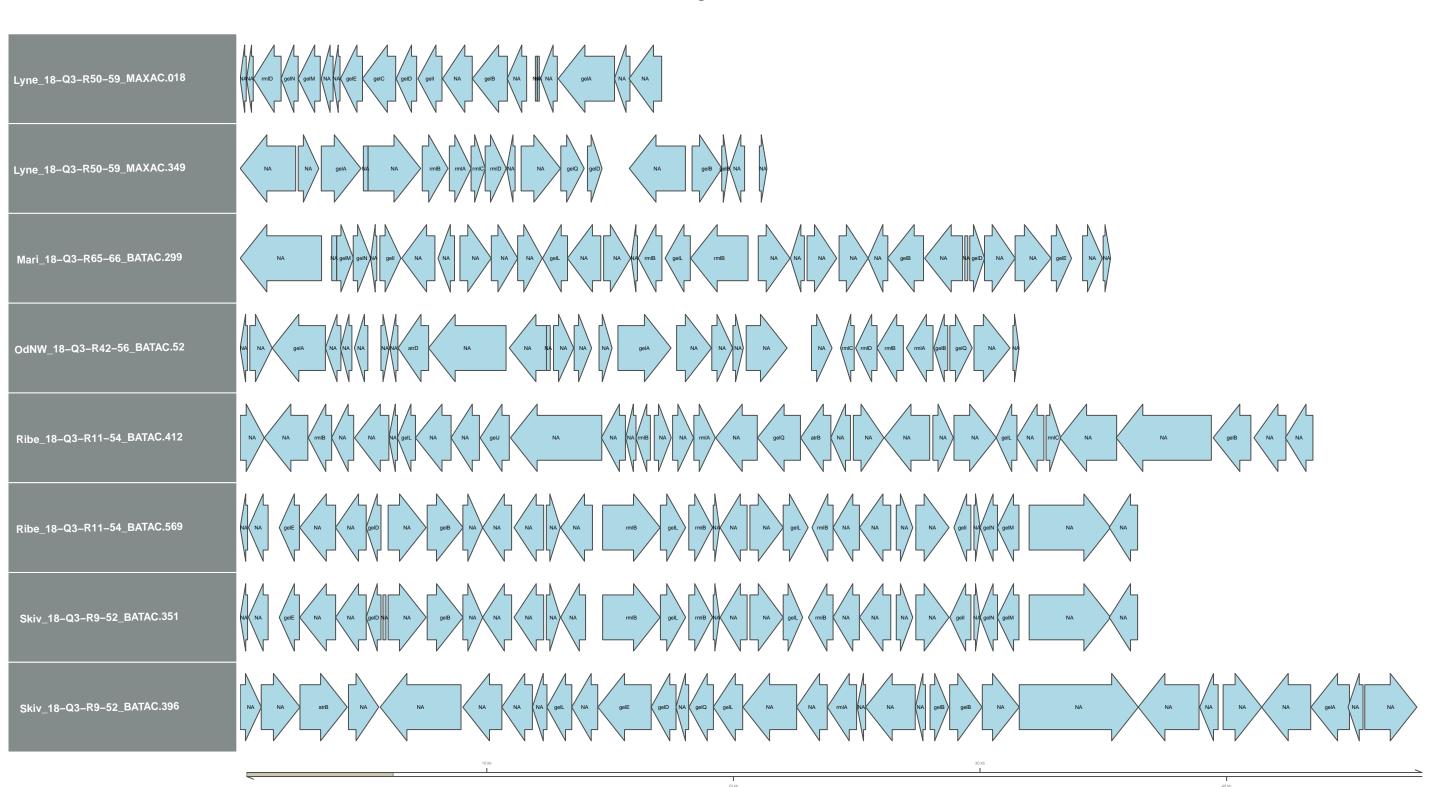


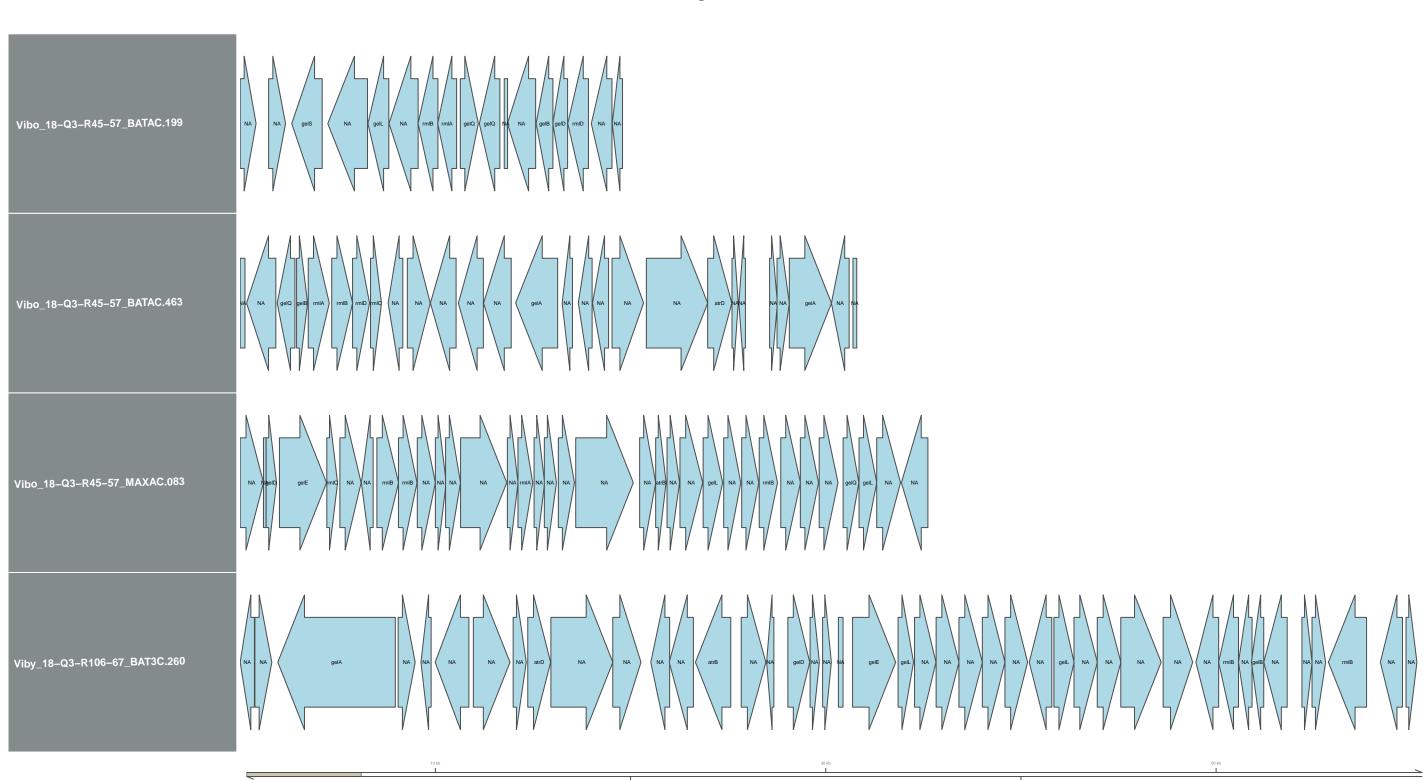






20.16





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1	AaIE_18-Q3-R2-46_BAT3C.277	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_UBA1936;s_	tig00006887-10-1241280	47318	gelB	02089
2	AaIW_18-Q3-R10-53_BATAC.174	$\label{d_Bacteria} d_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhodobacterales; f_Rhodobacteraceae; g_Rhodobacter_E; s_Rhodobacteraceae; g_Rhodobacter_E; s_Rhodobacteraceae; g_Rhodobacter_E; s_Rhodobacteraceae; g_Rhodobacteraceae; g_$	tig00006255-10-4666680	182185	gelB	00803
3	AaIW_18-Q3-R10-53_BATAC.245	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_UBA1936;s_	tig01697704-10-12945580	678564	gelB	02968
4	Aved_18-Q3-R54-62_BATAC.490	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_UBA1936;s_	tig00373198-10-16596610	605926	gelB	02143
5	Aved_18-Q3-R54-62_MAXAC.397_sub	d_Bacteria;p_Myxococcota;c_Polyangia;o_Nannocystales;f_Nannocystaceae;g_Ga0077550;s_	tig00000424-10-34564120	673176	gelA	00566
6	Bjer_18-Q3-R1-45_BAT3C.347	$\label{thm:def} d_Bacteria; p_Proteobacteria; c_Gamma proteobacteria; o_Burkholderiales; f_Rhodocyclaceae; g_; s_$	tig00199796-10-9414780	87217	gelA	03848
7	Bjer_18-Q3-R1-45_BATAC.230	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_UKL13-2;g_FEB-7;s_	tig00009630-10-1594380	67661	gelB	02865
8	Bjer_18-Q3-R1-45_BATAC.569	$\label{thm:def} d_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Burkholderiales; f_Burkholderiaceae; g_Rhodolerax; s_Burkholderiaceae; g_Rhodolerax; s_Rhodolerax; s_Rh$	tig00012007-10-1205650	99079	gelA	02373
9	Ega_18-Q3-R5-49_BATAC.204	${\tt d_Bacteria:p_Proteobacteria:c_Gamma proteobacteria:o_Burkholderiales:f_Rhodocyclaceae:g_:s_leading and the proteobacteria:p_Proteobacteri$	tig00004277-10-2003480	158480	gelA	03657
10	Ejby_18-Q3-R6-50_BATAC.123	${\tt d_Bacteria;p_Cyanobacteria;c_Vampirovibrionia;o_Obscuribacterales;f_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscuribacter;s_Obscuribacteraceae;g_Obscurib$	tig00018983-10-500140	16135	atrD	05458
11	EsbE_18-Q3-R3-47_BATAC.463	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_UBA1936;s_	tig00004449-10-2095470	173883	gelB	00746
12	EsbW_18-Q3-R4-48_BAT3C.207	${\tt d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiales;!_Burkholderiaceae;g_Vitreoscilla_A;s_Durkholderiaceae;g_Vitreosc$	tig00001176-10-9861400	273828	gelC	02014
13	EsbW_18-Q3-R4-48_BAT3C.93	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Rhodocyclaceae;g_;s_	tig00000038-10-43439960	2137457	gelA	02037
14	EsbW_18-Q3-R4-48_BATAC.72	d_Bacteria;p_Planctomycetota;c_Phycisphaerae;o_Phycisphaerales;f_SM1A02;g_;s_	tig00011125-10-1386600	104804	gelB	03060
15	EsbW_18-Q3-R4-48_MAXAC.044	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Rhodocyclaceae;g_Propionivibrio;s_	tig00033796-10-615360	28982	gelB	03344
16	Fred_18-Q3-R57-64_MAXAC.307	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodospirillales_A;f_2-12-FULL-67-15;g_;s_	tig00002301-10-12040470	1011128	atrB	03305
17	Fred_18-Q3-R57-64_MAXAC.359	d_Bacteria;p_Myxococcota;c_Polyangia;o_Nannocystales;f_Nannocystaceae;g_Ga0077550;s_	tig00001995-10-14076520	736276	gelA	04240
18	Hade_18-Q3-R52-61_BATAC.316	$\label{thm:def} d_Bacteria; p_Proteobacteria; c_Gamma proteobacteria; o_Burkholderiales; f_Rhodocyclaceae; g_; s_$	tig00000808-10-11321960	743853	gelA	00676
19	Hade_18-Q3-R52-61_MAXAC.390	${\tt d_Bacteria;p_Proteobacteria;c_Gamma proteobacteria;o_Thiotrichales;f_Thiotrichaceae;g_Thiofilum;s_table and the control of the control o$	tig00000011-10-40151770	1765403	gelB	01701
20	Hirt_18-Q3-R61-65_BAT3C.204	$\label{d_bacteria} d_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Rhodobacterales; t_Rhodobacteraceae; g_Rhodobacter_E; s_Lhodobacteraceae; d_Rhodobacteraceae; d_Rhodobacterace$	tig00317261-10-8095540	421901	gelB	02777
21	Hirt_18-Q3-R61-65_MAXAC.060	$\label{lem:d_bacteria} d_Bacteria; p_Cyanobacteria; c_Vampirovibrionia; o_Obscuribacterales; f_Obscuribacteraceae; g_Obscuribacter; s_Obscuribacteraceae; d_Obscuribacteraceae; d_Obscuribacteraceae$	tig00010514-10-2077950	78969	atrD	02874
22	Hirt_18-Q3-R61-65_MAXAC.231	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Rhodocyclaceae;g_;s_	tig00000003-10-42710140	580316	gelA	00552
23	Kalu_18-Q3-R12-55_BAT3C.197	d_Bacteria;p_Planctomycetota;c_Phycisphaerae;o_UBA1845;f_Fen-1342;g_Fen-1342;s_	tig00000698-10-18309200	1181474	gelB	00989
24	Kalu_18-Q3-R12-55_MAXAC.182_cln	d_Bacteria;p_Patescibacteria;c_Microgenomatia;o_GWA2-44-7;f_UBA8517;g_;s_	tig00000428-10-12728800	970939	atrB	00954
25	Lyne_18-Q3-R50-59_MAXAC.018	$\label{thm:def} d_Bacteria; p_Proteobacteria; c_Gammaproteobacteria; o_Burkholderiales; f_Burkholderiaceae; g_Rhodolerax; s_Burkholderiaceae; g_Rhodolerax; s_Rhodolerax; s_Rh$	tig00321118-10-792010	14257	gelA	02866
26	Lyne_18-Q3-R50-59_MAXAC.349	d_Bacteria;p_Myxococcota;c_Polyangia;o_Nannocystales;f_Nannocystaceae;g_Ga0077550;s_	tig00007064-10-3813790	226741	gelA	05638
27	Mari_18-Q3-R65-66_BATAC.299	$\\ d_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Sphingomonadales; f_Sphingomonadaceae; g_UBA1936; s_UBA1936; s_UBA195; s_UBA1936; s_UBA195; s_UBA195; s_UBA195; s_UBA195; s_UBA195; s_UBA195; s_UBA195$	tig00869144-10-6422420	425053	gelB	02515
28	OdNW_18-Q3-R42-56_BATAC.52	${\tt d_Bacteria}; {\tt p_Cyanobacteria}; {\tt c_Vampirovibrionia}; {\tt o_Obscuribacterales}; {\tt f_Obscuribacteraceae}; {\tt g_Obscuribacteraceae}; {\tt o_Obscuribacteraceae}; {\tt o_Obs$	tig00000564-10-8675060	796195	atrD	04582
29	Ribe_18-Q3-R11-54_BATAC.412	d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Nanopelagicales;f_S36-B12;g_UBA10649;s_	tig00001979-10-5826140	263605	atrB	01129
30	Ribe_18-Q3-R11-54_BATAC.569	$\label{d_Bacteria} d_Bacteria; p_Proteobacteria; c_Alphaproteobacteria; o_Sphingomonadales; f_Sphingomonadaceae; g_UBA1936; s_UBA1936; s_UBA195; s_UBA195; s_UBA195; s_UBA195; s_UBA195; s_UBA195; $	tig01084768-10-3860630	331823	gelB	03107
31	Skiv_18-Q3-R9-52_BATAC.351	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;f_Sphingomonadaceae;g_UBA1936;s_	tig00287756-10-1221250	85581	gelB	03425
32	Skiv_18-Q3-R9-52_BATAC.396	d_Bacteria;p_Acidobacteriota;c_Acidobacteriae;o_Bryobacterales;f_Bryobacteraceae;g_UBA690;s_	tig00003208-10-5214800	237399	atrB	01745
33	Vibo_18-Q3-R45-57_BATAC.199	$\label{lem:d_Bacteria} d_Bacteria.p_Proteobacteria.c_Gammaproteobacteria.o_Burkholderiales; f_Rhodocyclaceae.g_Propionivibrio; s_d_Bacteria.p_Proteobacteria.c_Gammaproteobacteria.c_Burkholderiales; f_Rhodocyclaceae.g_Propionivibrio; s_d_Bacteria.c_Gammaproteobac$	tig00008044-10-802880	47367	gelB	01871
34	Vibo_18-Q3-R45-57_BATAC.463	$\verb d_Bacteria:p_Cyanobacteria:c_Vampirovibrionia:o_Obscuribacterales:f_Obscuribacteraceae:g_Obscuribacter:s_Obscuribacteria:c_Vampirovibrionia:o_Obscuribacterales:f_Obscuribacteraceae:g_Obscuribacter:s_Obscuribacteria:c_Vampirovibrionia:o_Obscuribacterales:f_Obscuribacteraceae:g_Obscuribacter:s_Obscuribacteria:c_Vampirovibrionia:o_Obscuribacterales:f_Obscuribacteraceae:g_Obscuribacter:s_Obscuribacteria:c_Vampirovibrionia:o_Obscuribacterales:f_Obscuribacteraceae:g_Obscuribacter:s_Obscuriba$	tig00002248-10-4417980	430639	atrD	05130
35	Vibo_18-Q3-R45-57_MAXAC.083	d_Bacteria:p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_	tig00004163-10-3243870	299574	atrB	00314
36	Viby_18-Q3-R106-67_BAT3C.260	${\tt d_Bacteria.p_Acidobacteriota.c_Holophagae.o_Holophagales.f_Holophagaceae.g_;s_}$	tig00000170-10-6009320	315735	atrB	01137