

salecan Heatmap Ega_18-Q3-R5-49_MAXAC.001 -EsbE_18-Q3-R3-47_BAT3C.309 -EsbW_18-Q3-R4-48_BAT3C.194 -EsbW_18-Q3-R4-48_BAT3C.247 -EsbW_18-Q3-R4-48_BAT3C.295 -EsbW_18-Q3-R4-48_MAXAC.044 -**Percent Identity** EsbW_18-Q3-R4-48_MAXAC.253_A -O ESbW_18-Q3-R4-48_MAXAC.253_B - 21 Fred_18-Q3-R57-64_BAT3C.606 -Fred_18-Q3-R57-64_BATAC.715 -Hade_18-Q3-R52-61_BATAC.287 -Hirt_18-Q3-R61-65_BAT3C.279 -

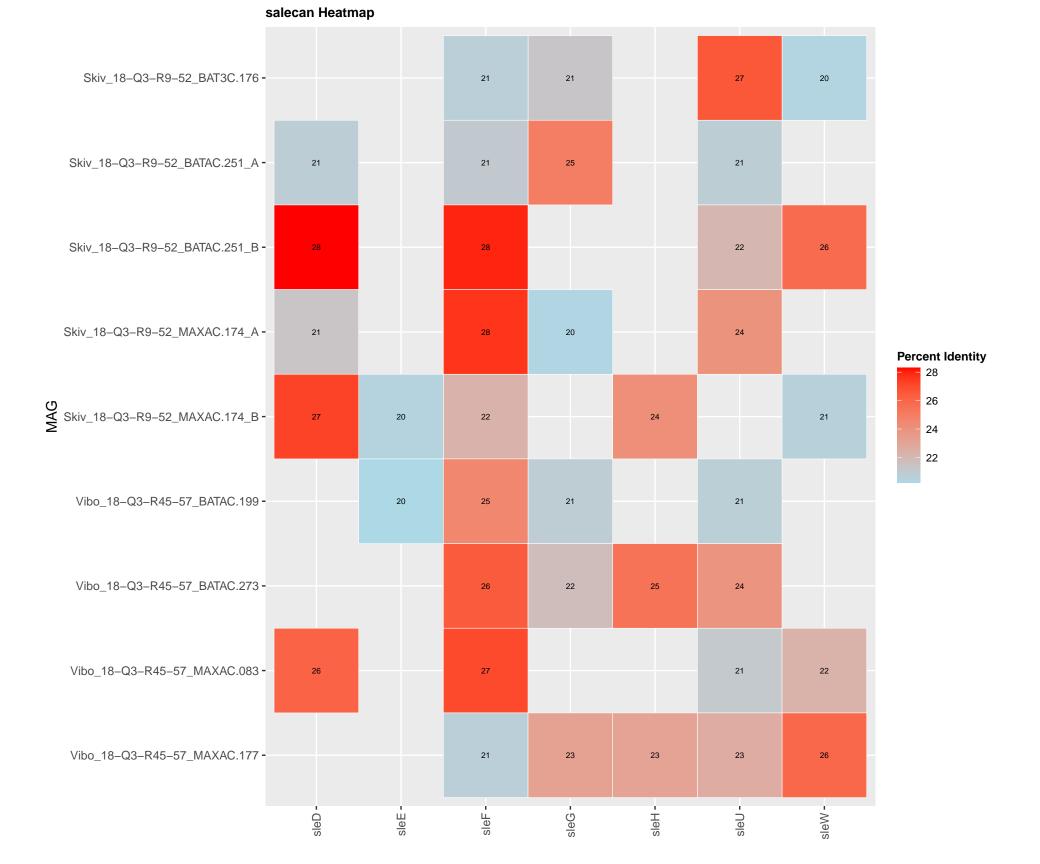
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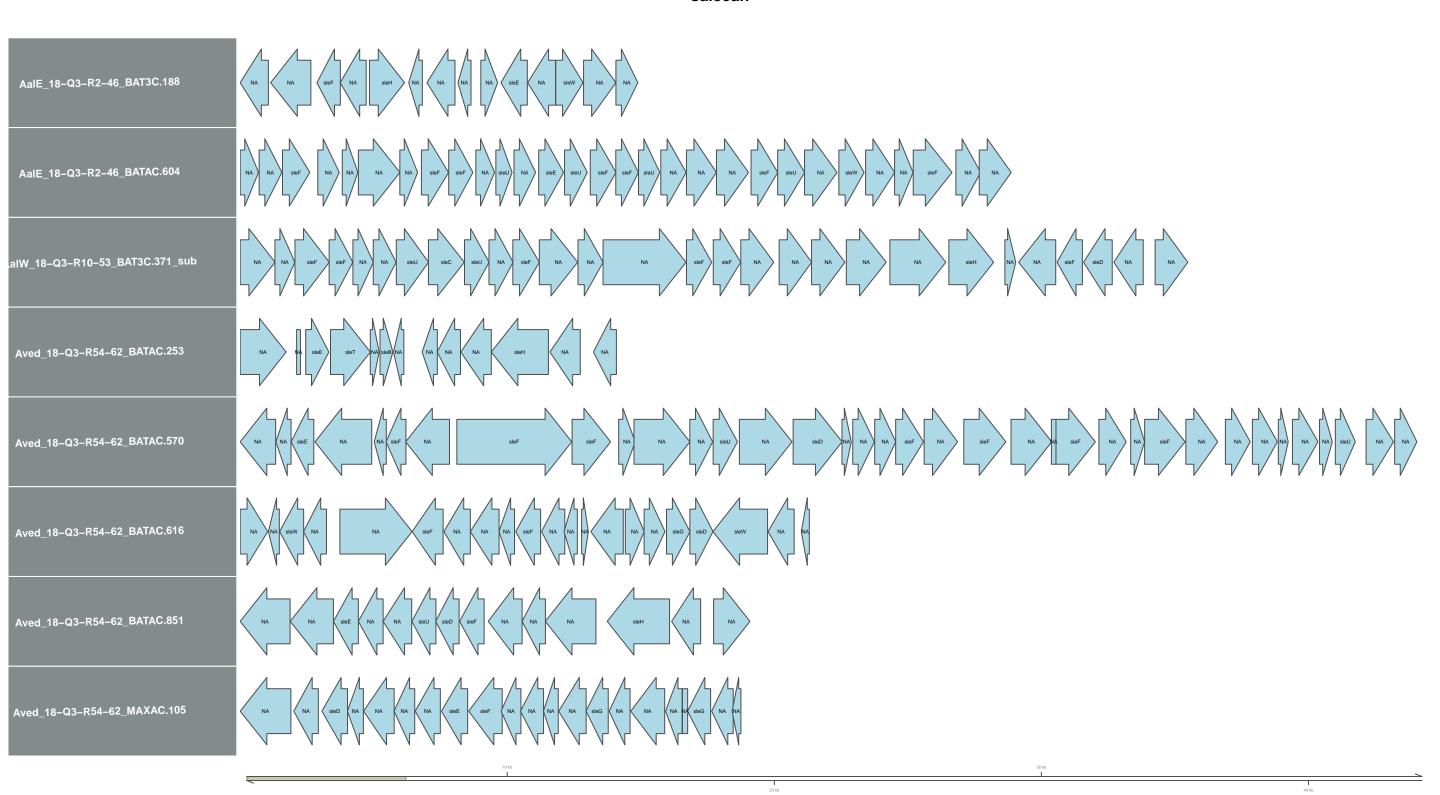
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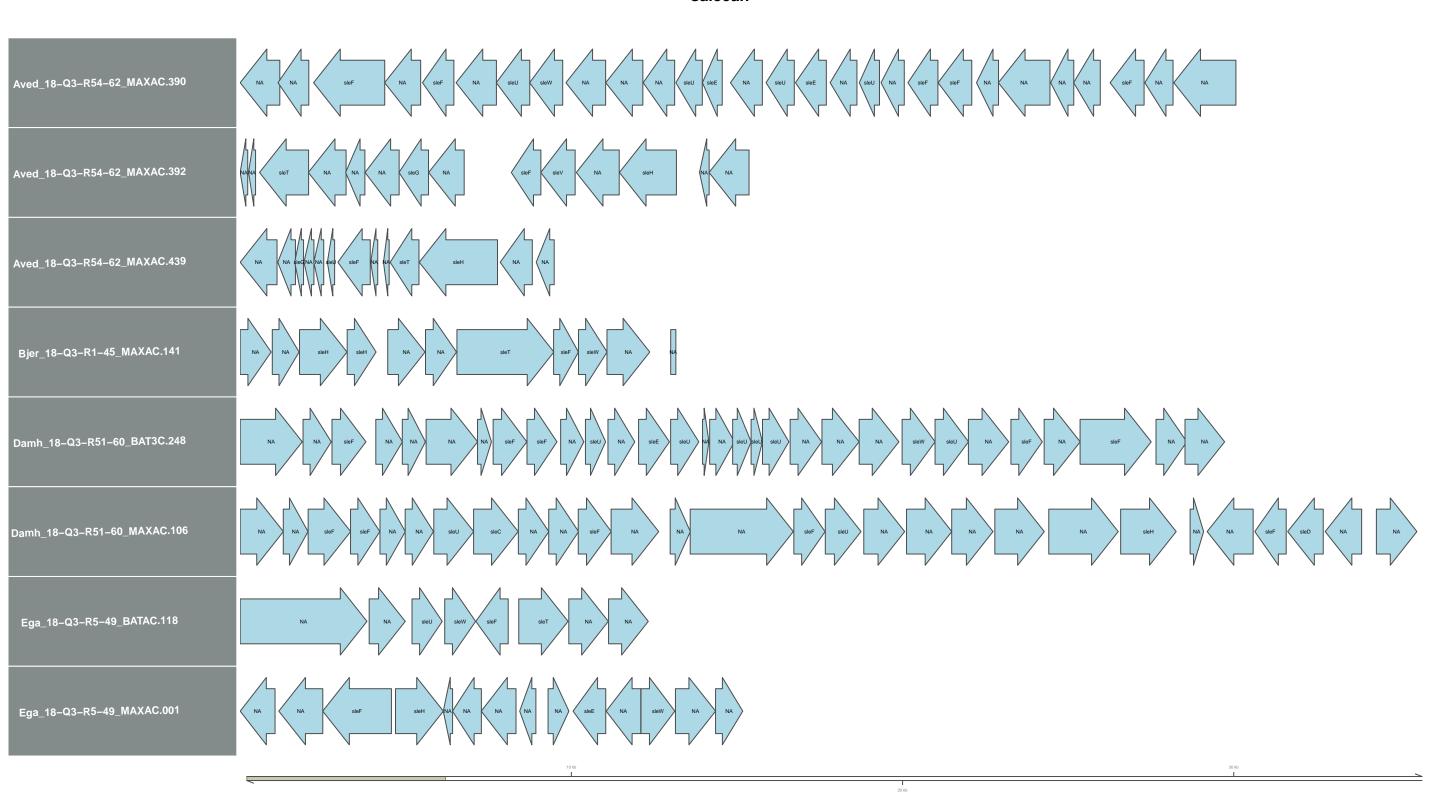
Kalu_18-Q3-R12-55_MAXAC.123 -

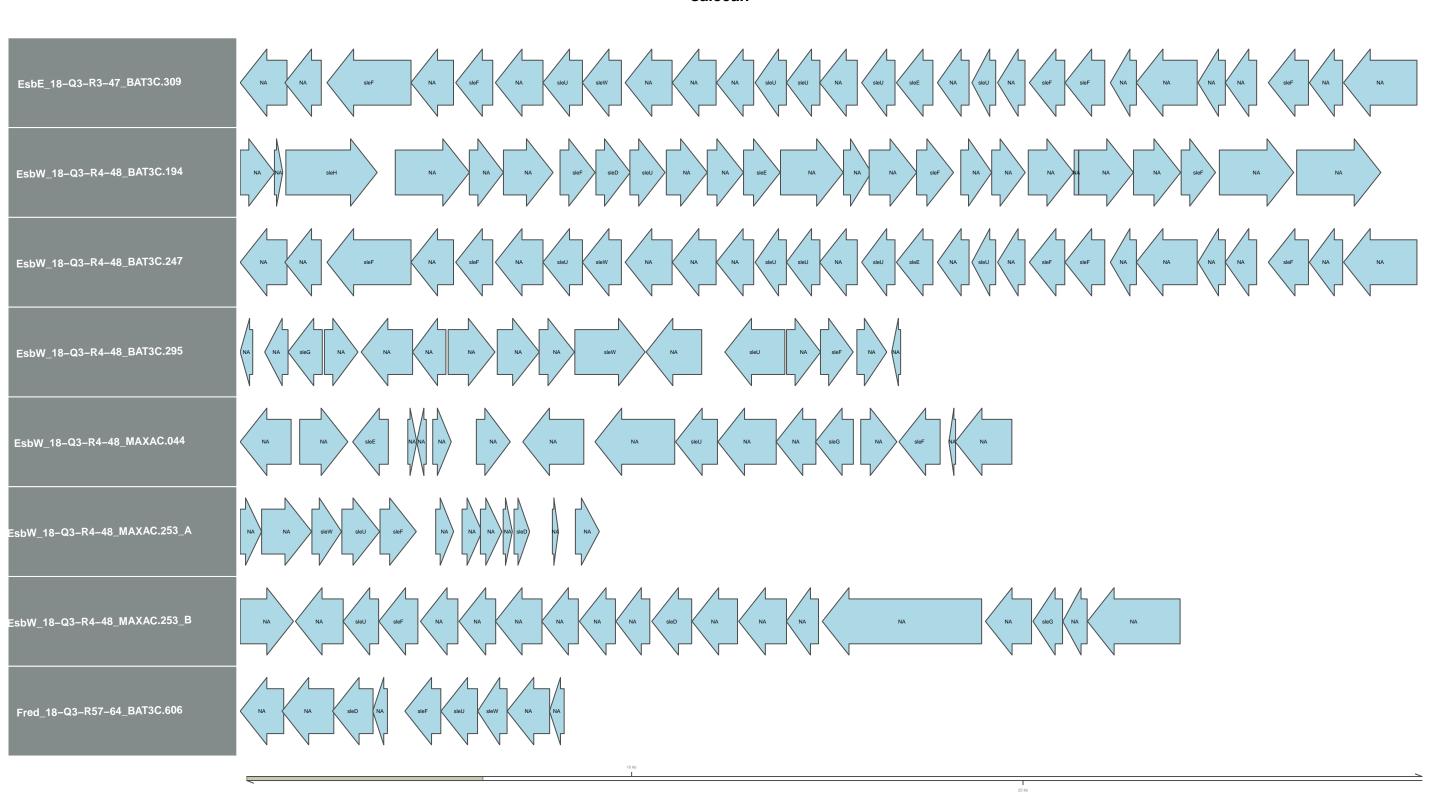
sleF

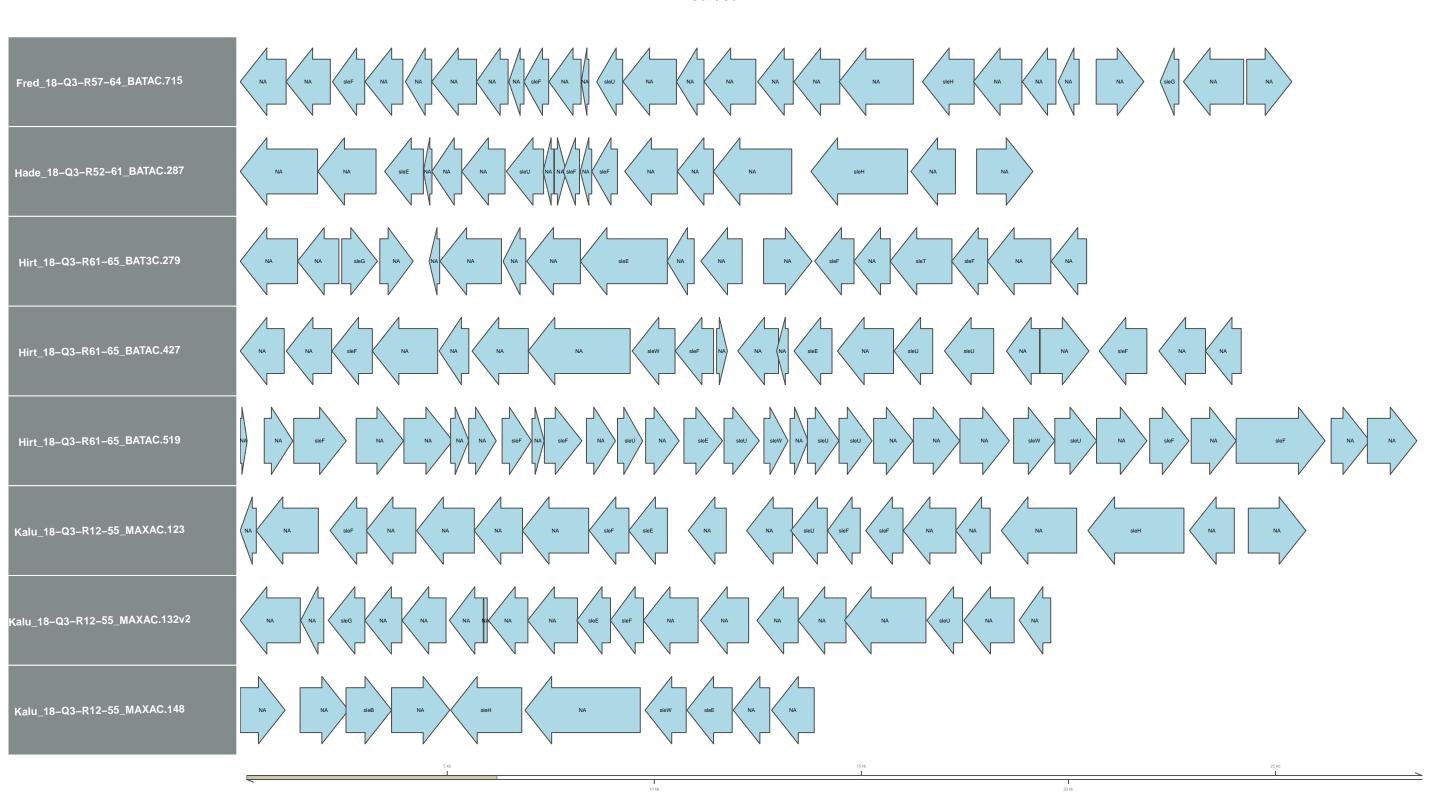
salecan Heatmap Kalu_18-Q3-R12-55_MAXAC.132v2 -Kalu_18-Q3-R12-55_MAXAC.148 - 20 Lyne_18-Q3-R50-59_BATAC.272 -Lyne_18-Q3-R50-59_BATAC.79 -Lyne_18-Q3-R50-59_MAXAC.330 -Mari_18-Q3-R65-66_BATAC.397 -Percent Identity OdNE_18-Q3-R46-58_BATAC.187 -OdNW_18-Q3-R42-56_BAT3C.137 -OdNW_18-Q3-R42-56_BAT3C.33_sub -OdNW_18-Q3-R42-56_BATAC.438 -Rand_18-Q3-R56-63_BAT3C.48 -Rand_18-Q3-R56-63_MAXAC.181 -Ribe_18-Q3-R11-54_BAT3C.183 -Ribe_18-Q3-R11-54_BAT3C.418 -Ribe_18-Q3-R11-54_MAXAC.001 -sleF

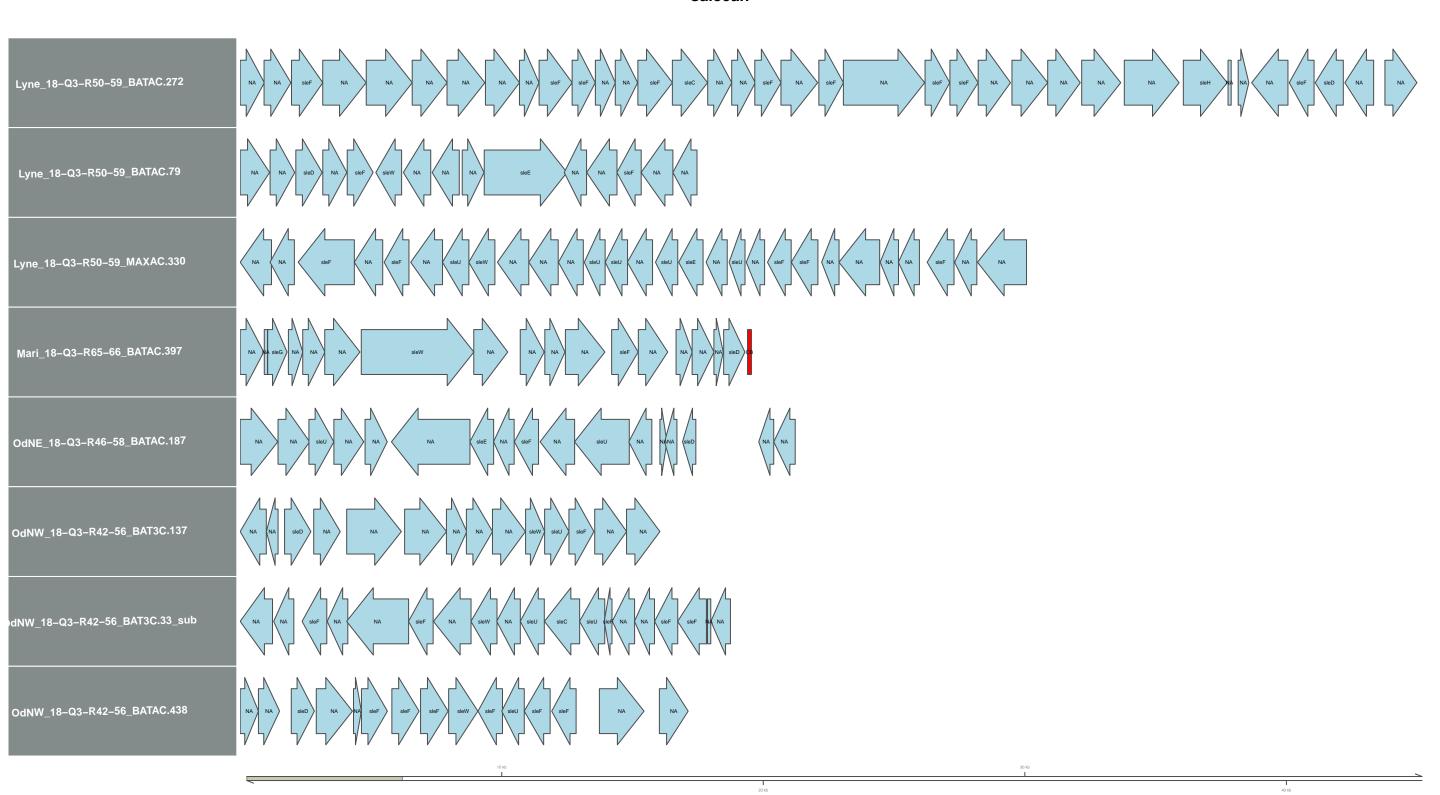


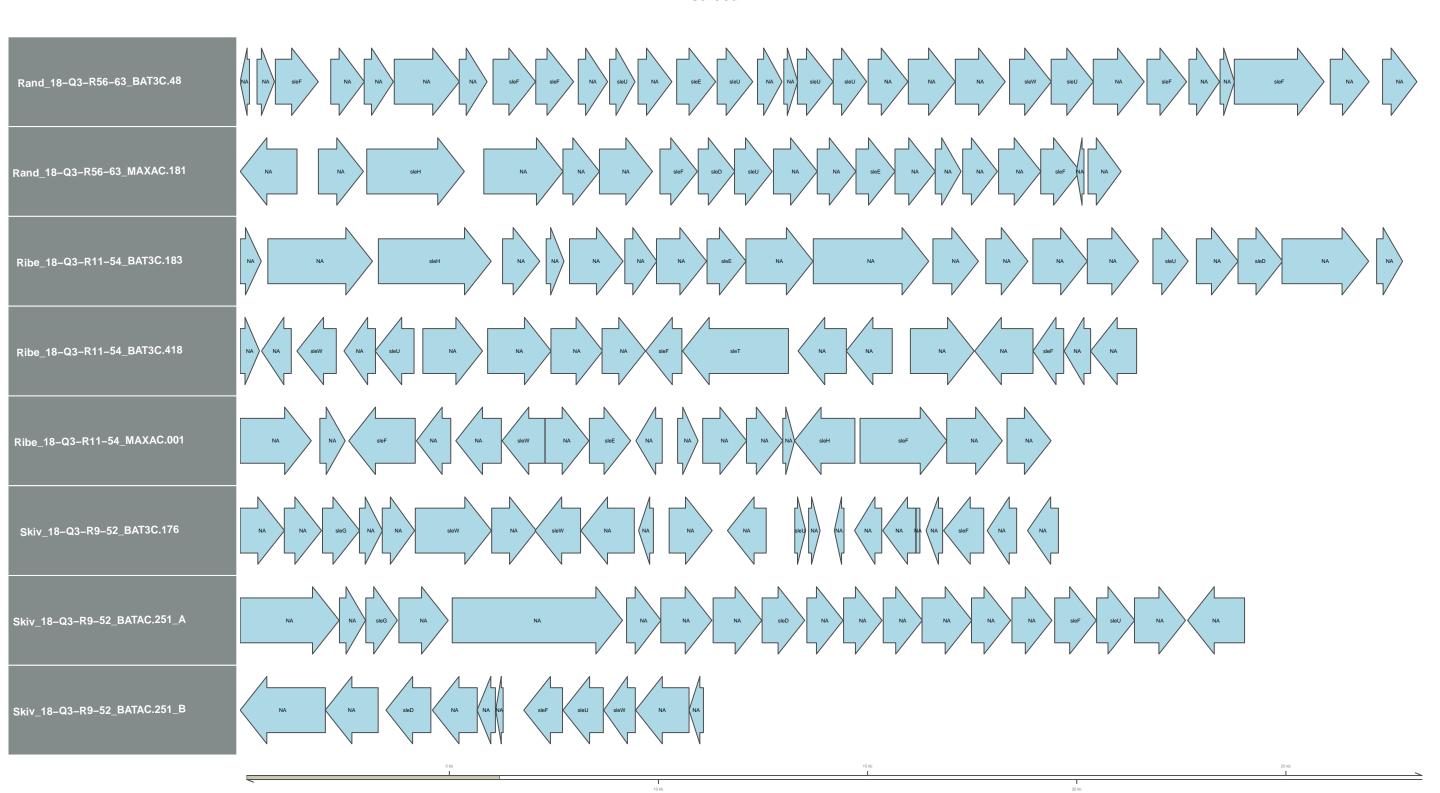


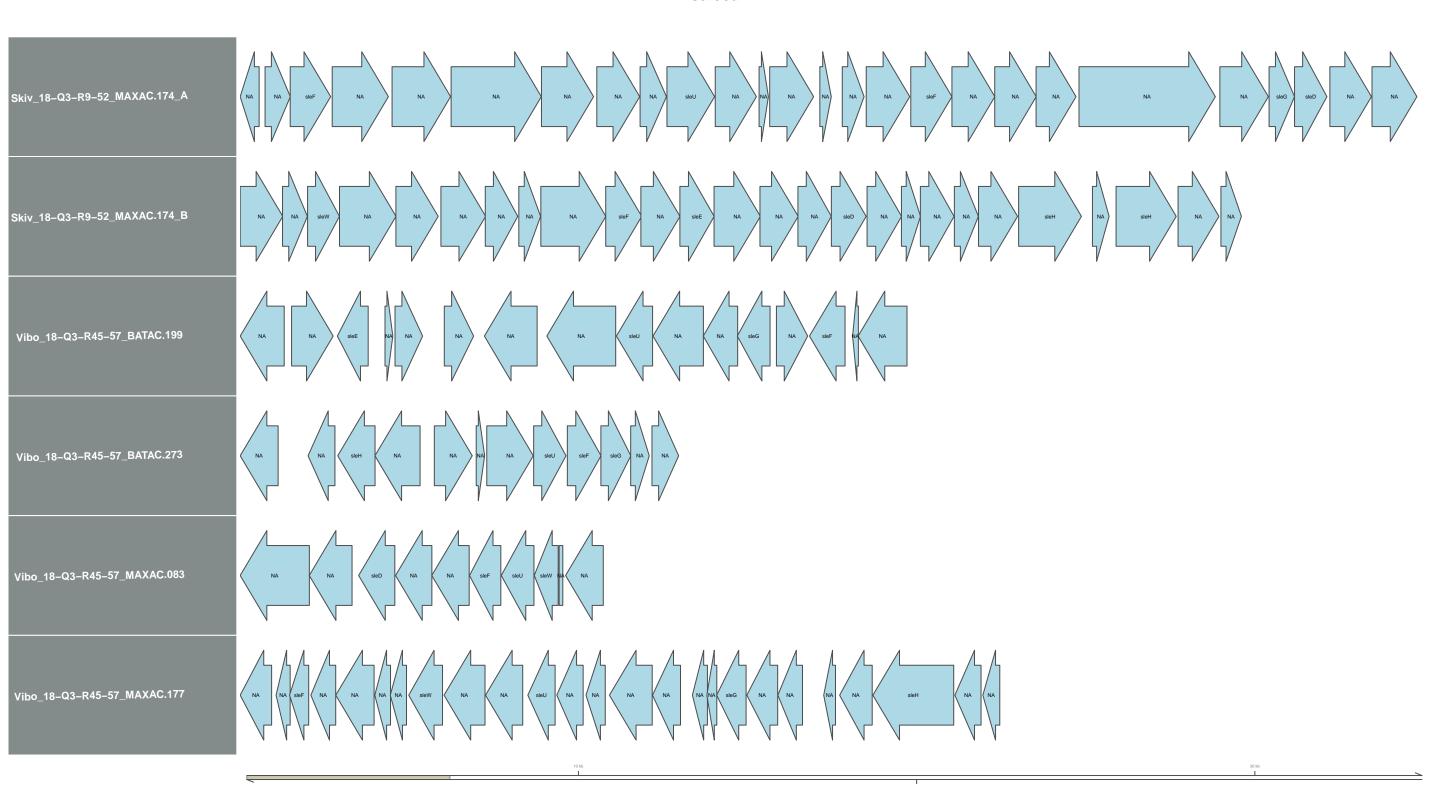












Mart 1, 10 Am of 2, 10 Cont.	3	AalW_18-Q3-R10-53_BAT3C.371_sub	d_Bacteria;p_Chloroflexota;c_Anaerolineae;of_:g;s	tig01688844-10-2276140	147500	sleC	05173
Mart 15 25 44 15 25 45 25 45 25 45 25 45 25 45 25 2	4	Aved_18-Q3-R54-62_BATAC.253	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Sphingomonadales;t_Sphingomonadaceae;g_Ga0077559;s_	tig00001025-10-18851330	1040007	sleB	01055
Mart 19-01-19-02 MAC 19-01-1	5	Aved_18-Q3-R54-62_BATAC.570	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Hydrogenophilaceae;g_UBA3361;s_	tig00020161-10-1851290	118574	sleD	03286
March Sci-St-Le MonCo Section Laborate Exercision Colorate Section Colorate S	6	Aved_18-Q3-R54-62_BATAC.616	d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Nanopelagicales;f_GCA-2699445;g_;s_	tig00007403-10-5397180	411776	sleD	00771
Aud. 16-07-05-62 MANCASIO	7	Aved_18-Q3-R54-62_BATAC.851	d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_;g_;s_	tig00005012-10-6570710	506791	sleD	03566
Mart 19-07-85-42 MANC 202	8	Aved_18-Q3-R54-62_MAXAC.105	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;t_Chitinophagaceae;g_JJ008;s_	tig00005322-10-6493790	202244	sleD	03719
Aud. 16-C-16-6-6_DAMAC.51	9	Aved_18-Q3-R54-62_MAXAC.390	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_	tig00003928-10-7830810	724417	sleE	01419
Payr, NCo R. IE., MANC, 11 E., Browney, Periodenomes, Emerodest, Proceedings, Proceedings, 1905-1978. 1451 1667 1669 16	10	Aved_18-Q3-R54-62_MAXAC.392	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Micavibrionales;f_Micavibrionaceae;g_;s_	tig00022524-10-679450	58085	sleF	02766
Description Proceedings Proceedings Description	11	Aved_18-Q3-R54-62_MAXAC.439	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;f_Saprospiraceae;g_;s_	tig00010237-10-3969680	301136	sleF	02580
Destt, 16-Cl. REV-03, MANAC 505	12	Bjer_18-Q3-R1-45_MAXAC.141	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_Rhodoferax;s_	tig00007500-10-375860	19451	sleF	02650
Cigs.14-03-86-8, \$505C-19	13	Damh_18-Q3-R51-60_BAT3C.248	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_	tig00000649-10-2316670	173197	sleE	01059
Eqs. 11-02-83-44_MAXCC01	14	Damh_18-Q3-R51-60_MAXAC.106	d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_;f_;g_;s_	tig00005679-10-2001250	140966	sleC	00839
Fall, 16-C3-83-47, JACTO, 209	15	Ega_18-Q3-R5-49_BATAC.118	d_Bacteria;p_Bacteroidota;c_UBA10030;o_UBA10030;f_UBA6906;g_;s_	tig00004572-10-1700500	77754	sleF	03759
EdW, 14-C3-A4-64, BATC-219	16	Ega_18-Q3-R5-49_MAXAC.001	d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Dermatophilaceae;g_GCA-2748155;s_	tig00000580-10-8759820	305996	sleE	00286
Destroy 1- Col. Print 1-	17	EsbE_18-Q3-R3-47_BAT3C.309	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_	tig00000229-10-13442510	1193116	sleE	01062
Destroy 18-C2-98-4-8_BATIC-295 Commission Destroy Destr	18	EsbW_18-Q3-R4-48_BAT3C.194	d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_:g;s_	tig00012550-10-1255050	98828	sleD	03108
Febru 16 - G3 - File - May	19	EsbW_18-Q3-R4-48_BAT3C.247	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_	tig00002453-10-7089480	615957	sleE	01507
E-BM/16-Q3-R4-8_MAVAC-233	20	EsbW_18-Q3-R4-48_BAT3C.295	d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Dermatophilaceae;g_GCA-2748155;s_	tig00001709-10-2797540	256654	sleF	00229
## Pred; 18- G3- R87-64_BATAC-115 ## Bactering_Bacterodoxc_Bacterodoxc_Batterodoxc_An/HPGF-AI_2013-c0CN4-14-6g_x	21	EsbW_18-Q3-R4-48_MAXAC.044	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Rhodocyclaceae;g_Propionivibrio;s_	tig00033796-10-615360	12116	sleE	03329
Field_18-Q3-825-44_BATAC_715	22	EsbW_18-Q3-R4-48_MAXAC.253	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_	tig00251076-10-1192690	112793	sleD	03672
Hode, 16-C3-R52-61_BATAC_287 Bacteriap_ActivabacteriaxsBlastocetatiaco_Pyrinomosabeet	23	Fred_18-Q3-R57-64_BAT3C.606	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_	tig00000598-10-27260260	2625170	sleD	02035
Herit B. Cult Rel - 68 BATIC 279 d_Bacteristap_Actinobacteristac_Perspirinbacteristaceang_Moropruinas_ 1900004473-10-5095050 53538 sie 03469 7 Hrit B- Cult Rel - 68 BATIC 279 d_Bacteristap_Discontinuotox_Ansentiness_PHCS-HEZRg_PHCS-HEZRs_ 1900011645-10-2709440 19783 sie 02290 19790	24	Fred_18-Q3-R57-64_BATAC.715	d_Bacteria.p_Bacteroidota;c_Bacteroidia;o_Chitinophagales;f_Chitinophagaceae;g_UBA1931;s_	tig00000767-10-25758650	1137740	sleF	01197
Pint 18-Q3-R61-62, BATAC 477	25	Hade_18-Q3-R52-61_BATAC.287	d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_;g_;s_	tig00002106-10-7009290	446448	sleE	00365
Hirt_18-03-R81-68_BATIC_519 d_Bacteriap_Bacteroidanc_Bacteroidanc_Piarchaeteriales_PHOS-HE28g_PHOS-HE28g_ 160031522-10-8269590 169694 sieE 07910	26	Hirt_18-Q3-R61-65_BAT3C.279	d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Propionibacteriales;f_Propionibacteriaceae;g_Micropruina;s_	tig00004475-10-5985650	535338	sleE	03549
	27	Hirt_18-Q3-R61-65_BATAC.427	d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_;f_;g_;s_	tig00011845-10-2706940	187853	sleE	02250
Kalu_18-03-R12-55_MAXAC_1202 d_Bacteriaxp_Nitrospirator_Nitrospirator_Nitrospirates_Nitrospirators_Ni	28	Hirt_18-Q3-R61-65_BATAC.519	d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_	tig00316292-10-8269560	169664	sleE	01910
Kaiu_18-Q3-R12-55_MAXAC.146 d_Bacteriap_Proteobacteriac_Alphaproteobacteriac_Rhodosprillales_At_2-12-FULL-67-15g_x tig00002375-10-5189380 161412 sle8 00811	29	Kalu_18-Q3-R12-55_MAXAC.123	d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;f_;g_;s_	tig00002532-10-4929450	160068	sleE	00966
Lyne_18-Q3-R50-59_BATAC.772	30	Kalu_18-Q3-R12-55_MAXAC.132v2	d_Bacteria;p_Nitrospirota;c_Nitrospiria;o_Nitrospirales;f_Nitrospiraceae;g_Nitrospira;s_	tig00440587-10-3991400	142226	sleE	03779
Lyne_18-03-R50-59_BATAC.79	31	Kalu_18-Q3-R12-55_MAXAC.148	d_Bacteria;p_Proteobacteria;c_Alphaproteobacteria;o_Rhodospirillales_A;t_2=12=FULL=67=15;g;s_	tig00002375-10-5189380	161412	sleB	00811
Lyne_18-03-R65-69_MAXAC.330 d_Bacteriap_Bacteroidota.c_Bacteroidia.o_Flavobacterialest_PHOS-HE28.g_PHOS-HE28.s_ lig000320688-10-6633040 163197 sleE 00966	32	Lyne_18-Q3-R50-59_BATAC.272	d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_;f_;g_;s_	tig00010316-10-1820800	50902	sleC	02885
Lyne_18-Q3-R50-59_MAXAC.330	33	Lyne_18-Q3-R50-59_BATAC.79	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Hydrogenophilaceae;g_UBA3361;s_	tig00015422-10-951070	8147	sleD	01003
Mari, 18-Q3-R65-66, BATAC.397 d_Bacteriax_P_Proteobacteriax_Gammaproteobacteriax_Burkholderialess_Burkholderialess_Burkholderiaceae;g_Rhodoferax_s_ tig00006214-10-2079780 210836 sleD 01586 04NW_18-Q3-R42-56_BATAC.187 d_Bacteriax_P_Proteobacteriax_Gammaproteobacteriax_Burkholderialess_Gallionellaceae;g_UBA7399;s_ tig000229050-10-2453050 237919 sleD 02904 04NW_18-Q3-R42-56_BAT3C.137 d_Bacteriax_Bacteroidotax_Bacteroidiax_Pacterialess_PHOS-HE28;g_PHOS-HE28;s_ tig00000293-10-12102910 711749 sleD 01688 04NW_18-Q3-R42-56_BAT3C.33_sub d_Bacteriax_P_Bacteroidotax_Bacteroidiax_D_Flavobacterialess_PHOS-HE28;g_PHOS-HE28;s_ tig00006428-10-1288420 96876 sleC 02224 04NW_18-Q3-R42-56_BAT3C.438 d_Bacteriax_P_Bacteroidotax_D_Bacteroidiax_D_Flavobacterialess_PHOS-HE28;g	34	Lyne_18-Q3-R50-59_MAXAC.330		tig00320688-10-6635040	163197	sleE	00966
d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;c_Burkholderiales;f_Gallionellaceae;g_UBA7399;s	35					sleD	01586
Delta de Bacteria.p. Bacteroidota.c. Bacteroidia.o. Flavobacteriales.f. PHOS-HE28.g. PHOS-HE28.s. big00000293-10-12102910 711749 sleD 01688 004NW_18-Q3-R42-56_BAT3C.33_sub d_Bacteria.p. Chloroflexota.c. Anaerolineae.ofgs. big00006428-10-1288420 96876 sleC 02224 004NW_18-Q3-R42-56_BAT3C.33_sub d_Bacteria.p. Bacteroidota.c. Bacteroidia.o. AKYH767-Af_OLB10.g;s. big00001335-10-6267260 550026 sleD 01088 00 Rand_18-Q3-R56-63_BAT3C.48 d_Bacteria.p. Bacteroidota.c. Bacteroidia.o. Flavobacteriales.f. PHOS-HE28.g. PHOS-HE28.s. big0000429-10-1764660 18706 sleE 01018 0108 0108 0108 0108 0108 0108 01	36	OdNE_18-Q3-R46-58_BATAC.187		·			
## OdnW_18_Q3_R42_56_BAT3C.33_sub ## d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767_Af_OLB10;g_;s	37			tig00000293-10-12102910			
OdNW_18-Q3-R42-56_BATAC.438 d_Bacteria.p_Bacteroidota;c_Bacteroidia;o_AKYH767-At_OLB10;g_;s_ tig00001335-10-6267260 550026 sleD 01088 d_Bacteria.p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;t_PHOS-HE28;g_PHOS-HE28;s_ tig00001229-10-1764660 18706 sleE 01018 Rand_18-Q3-R56-63_BAT3C.48 d_Bacteria.p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;t_g_;s_ tig00001715-10-4007270 91480 sleD 01395 Ribe_18-Q3-R11-54_BAT3C.183 d_Bacteria.p_Chloroflexota;c_Chloroflexia;o_Chloroflexales;t_Roseiflexaceae;g_Kouleothrix;s_ tig00001491-10-6976170 659725 sleD 03708 Ribe_18-Q3-R11-54_BAT3C.418 d_Bacteria.p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;t_PHOS-HE28;g_PHOS-HE28;s_ tig00002525-10-4389410 257369 sleF 00795 Ribe_18-Q3-R11-54_MAXAC.001 d_Bacteria.p_Actinobacteriota;c_Actinomycetales;t_Dermatophilaceae;g_GCA-2748155;s_ tig01078875-10-4739290 115231 sleE 02860 Skiv_18-Q3-R9-52_BAT3C.176 d_Bacteria.p_Proteobacteria;o_Actinomycetales;t_Dermatophilaceae;g_PHCI01;s_ tig00000317-10-2204750 130348 sleF 01922 Skiv_18-Q3-R9-52_BAT3C.251 d_Bacteria.p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;t_2013-40CM-41-45;g_;s_ tig00000743-10-7448990 618277 sleD 0920 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria.p_Chloroflexota;c_Anaerolineae;o_Anaerolineales;t_envOPS12;g_UBA12294;s_ tig000000000000000000000000000000000000	38				96876	sleC	02224
Description of the control of the co	39			•			
Rand_18-Q3-R56-63_MAXAC.181 d_Bacteria;p_Acidobacteriota;c_Blastocatellia;o_Pyrinomonadales;fg;s	40		d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_				
Ribe_18-Q3-R11-54_BAT3C.183 d_Bacteria;p_Chloroflexota;c_Chloroflexiaes;f_Roseiflexaceae;g_Kouleothrix;s_ tig00001491-10-6976170 659725 sleD 03708 Ribe_18-Q3-R11-54_BAT3C.418 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_ tig00002525-10-4389410 257369 sleF 00795 Ribe_18-Q3-R11-54_MAXAC.001 d_Bacteria;p_Actinobacteriota;c_Actinobacteria;o_Actinomycetales;f_Dermatophilaceae;g_GCA-2748155;s_ tig01078875-10-4739290 115231 sleE 02860 Skiv_18-Q3-R9-52_BAT3C.176 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_PHCI01;s_ tig00008317-10-2204750 130348 sleF 01922 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_ tig00000743-10-7448990 618277 sleD 00920 Skiv_18-Q3-R9-52_MAXAC.174 d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_Anaerolineae;o_Anaerolineae;f_envOPS12;g_UBA12294;s_ tig00000002-10-49810230 2619920 sleD 02452	41						
Ribe_18-Q3-R11-54_BAT3C.418 d_Bacteria.p_Bacteroidota;c_Bacteroidia.o_Flavobacteriales;f_PHOS-HE28;g_PHOS-HE28;s_ tig00002525-10-4389410 257369 sleF 00795 Ribe_18-Q3-R11-54_MAXAC.001 d_Bacteria.p_Actinobacteriota;c_Actinobacteria.o_Actinomycetales;f_Dermatophilaceae;g_GCA-2748155:s_ tig01078875-10-4739290 115231 sleE 02860 Skiv_18-Q3-R9-52_BAT3C.176 d_Bacteria.p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderiaceae;g_PHCl01;s_ tig00008317-10-2204750 130348 sleF 01922 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria.p_Bacteroidota;c_Bacteroidot	42						
Ribe_18-Q3-R11-54_MAXAC.001 d_Bacteria;p_Actinobacteriota;c_Actinobacteria:o_Actinomycetales;f_Dermatophilaceae;g_GCA-2748155;s_ tig01078875-10-4739290 115231 sleE 02860 Skiv_18-Q3-R9-52_BAT3C.176 d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderiales;f_Burkholderialesea;g_PHCl01;s_ tig00008317-10-2204750 130348 sleF 01922 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_ tig00000743-10-7448990 618277 sleD 00920 Skiv_18-Q3-R9-52_MAXAC.174 d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_Anaerolineales;f_envOPS12:g_UBA12294;s_ tig00000002-10-49810230 2619920 sleD 02452	43						
Skiv_18-Q3-R9-52_BAT3C.176 d_Bacteria:p_Proteobacteria:c_Gammaproteobacteria:o_Burkholderiales:f_Burkholderialea:g_PHCl01:s_ tig00008317-10-2204750 130348 sleF 01922 6 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria:p_Bacteroidota:c_Bacteroidia:o_AKYH767-A:f_2013-40CM-41-45:g_:s_ tig00000743-10-7448990 618277 sleD 00920 7 Skiv_18-Q3-R9-52_MAXAC.174 d_Bacteria:p_Chloroflexota:c_Anaerolineales:f_envOPS12:g_UBA12294:s_ tig00000002-10-49810230 2619920 sleD 02452	44						
6 Skiv_18-Q3-R9-52_BATAC.251 d_Bacteria;p_Bacteroidota;c_Bacteroidia;o_AKYH767-A;f_2013-40CM-41-45;g_;s_ tig00000743-10-7448990 618277 sleD 00920 7 Skiv_18-Q3-R9-52_MAXAC.174 d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_Anaerolineae;d_envOPS12:g_UBA12294;s_ tig00000002-10-49810230 2619920 sleD 02452	45						
7 Skiv_18-Q3-R9-52_MAXAC.174 d_Bacteria;p_Chloroflexota;c_Anaerolineae;o_Anaerolineales;t_envOPS12;g_UBA12294;s_ tig00000002-10-49810230 2619920 sleD 02452	46						
	47						
	48	Vibo_18-Q3-R45-57_BATAC.199	d_Bacteria;p_Proteobacteria;c_Gammaproteobacteria;o_Burkholderialesf_Rhodocyclaceae;g_Propionivibrio;s_	tiq00000002=10=49810230			