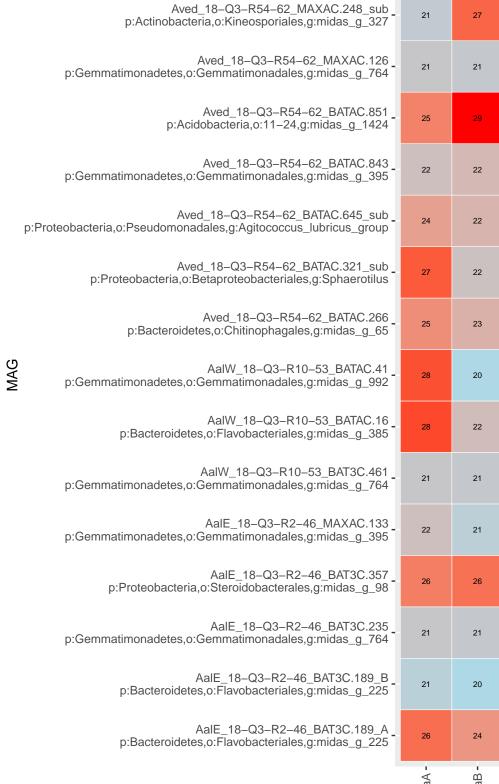
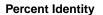
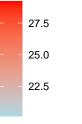
Heatmap ub - 21 27 26 - 31 21







Heatmap Ega_18-Q3-R5-49_BATAC.239_A p:Proteobacteria,o:midas_o_26,g:midas_g_523 20 Ega_18-Q3-R5-49_BAT3C.230 p:Bacteroidetes,o:Flavobacteriales,g:midas_g_225 22 Ega_18-Q3-R5-49_BAT3C.215 _ p:Bacteroidetes,o:Chitinophagales,g:midas_g_65 25 24 Damh_18-Q3-R51-60_MAXAC.126_sub_p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_3846 23 21 Damh_18-Q3-R51-60_MAXAC.107_B_ 23 p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_1061 Damh_18-Q3-R51-60_MAXAC.107_A 25 23 p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_1061 Damh_18-Q3-R51-60_BATAC.249_ 22 p:Bacteroidetes,o:Chitinophagales,g:midas_g_108 Bjer_18-Q3-R1-45_MAXAC.114_ p:Spirochaetes,o:Leptospirales,g:Leptospira Bjer_18-Q3-R1-45_MAXAC.090 _ 22 p:Ca_Fermentibacterota,o:midas_o_753,g:midas_g_753 Bjer_18-Q3-R1-45_MAXAC.014 21 p:Proteobacteria,o:Betaproteobacteriales,g:Sulfuritalea Bjer_18-Q3-R1-45_MAXAC.011 27 20 p:Proteobacteria,o:Betaproteobacteriales,g:Sulfuritalea Bjer_18-Q3-R1-45_BATAC.43 _ 22 27 p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_300 Bjer_18-Q3-R1-45_BATAC.331 _ 21 20 p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_3838 Bjer_18-Q3-R1-45_BAT3C.224 _ p:Bacteroidetes,o:Flavobacteriales,g:midas_g_385 28 22

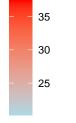
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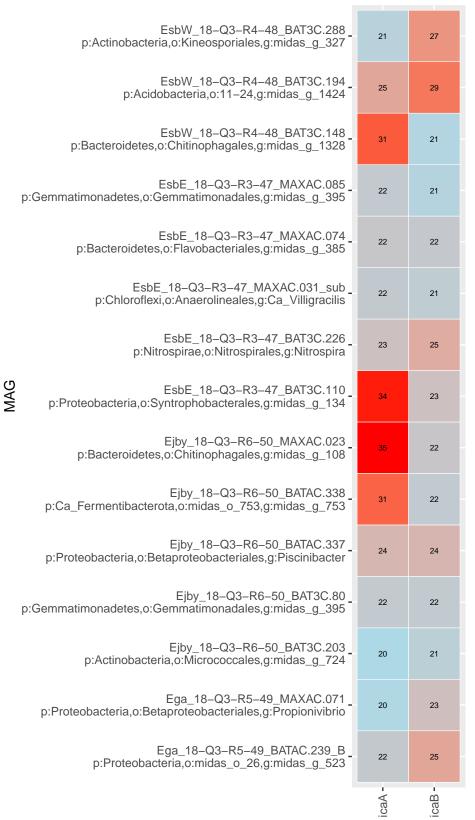
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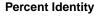
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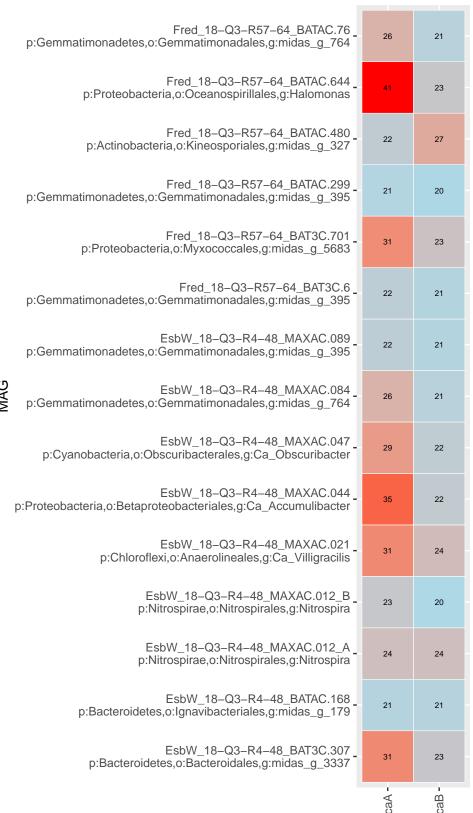
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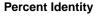


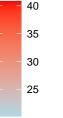


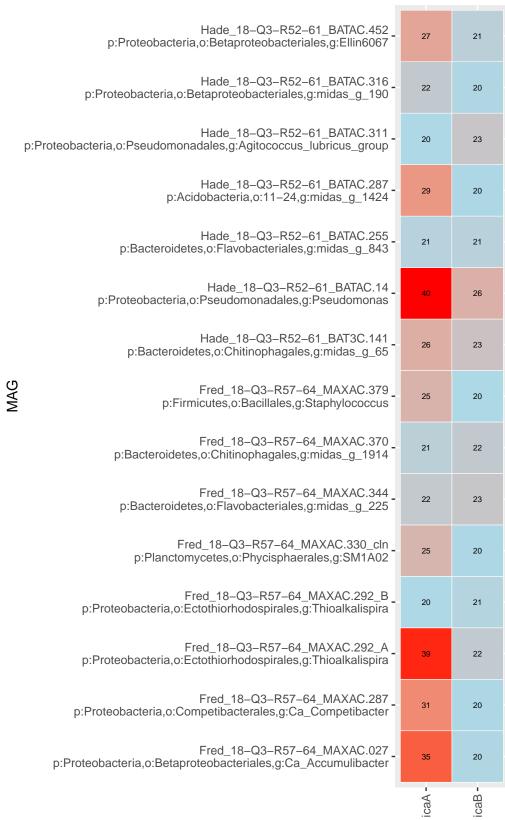


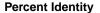
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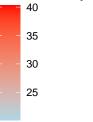


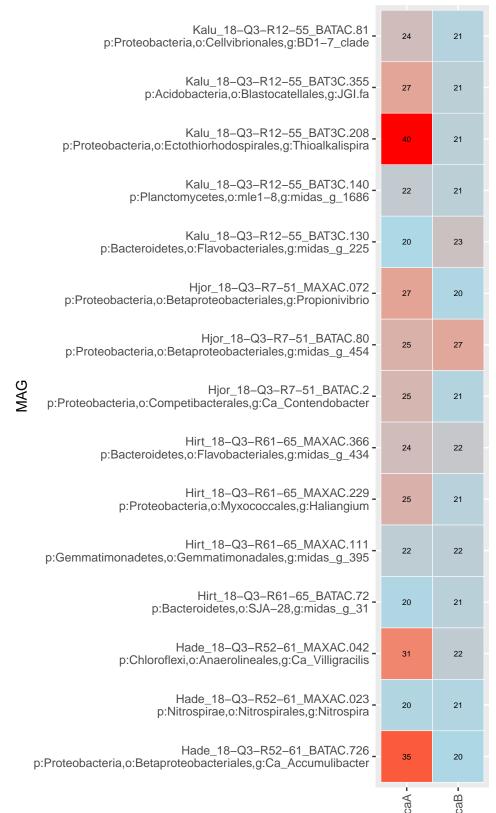








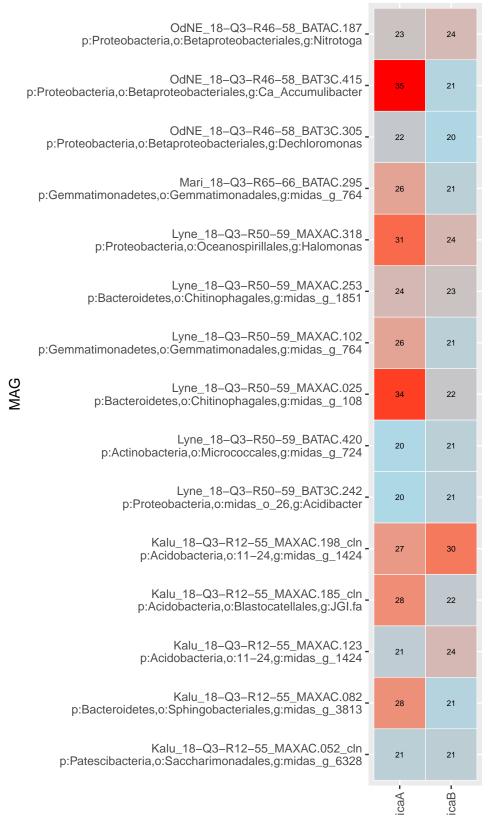


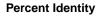


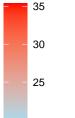
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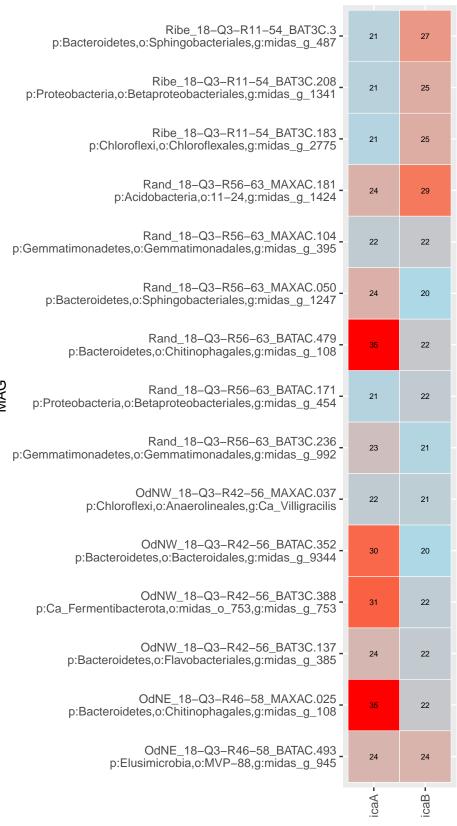
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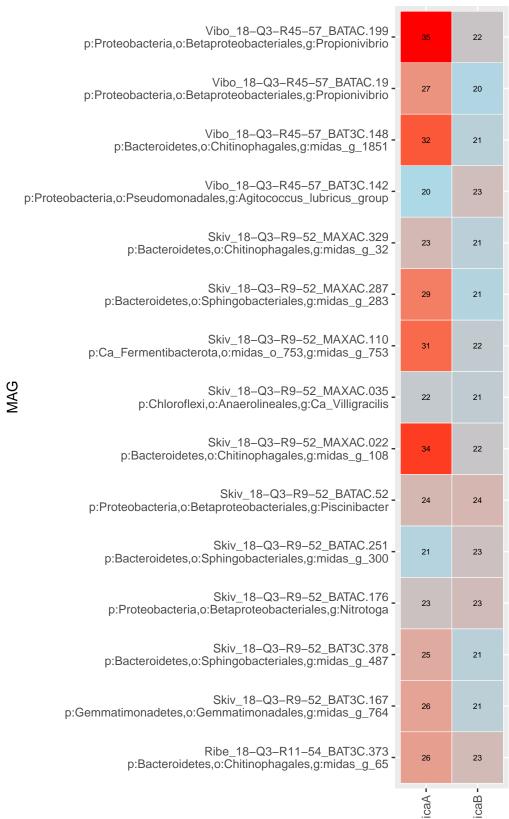




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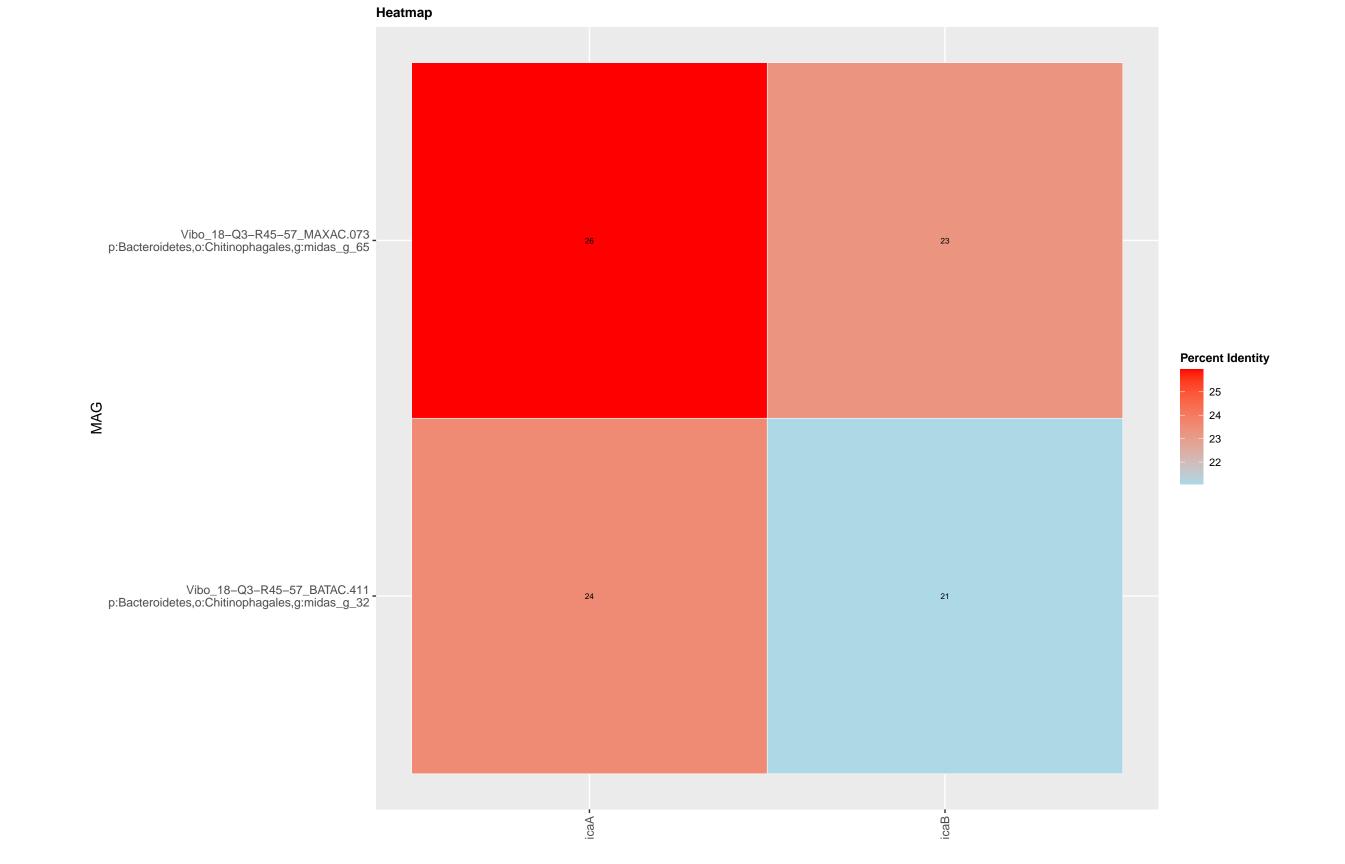
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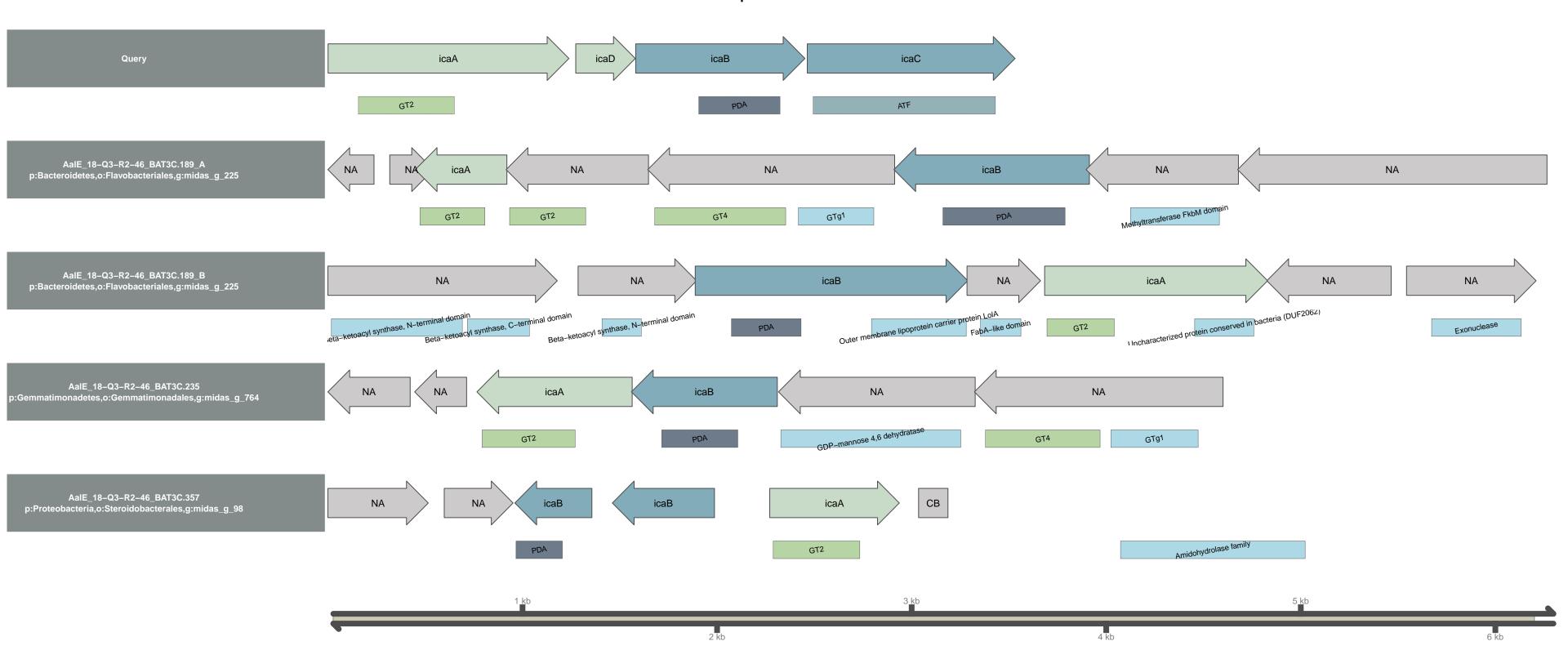


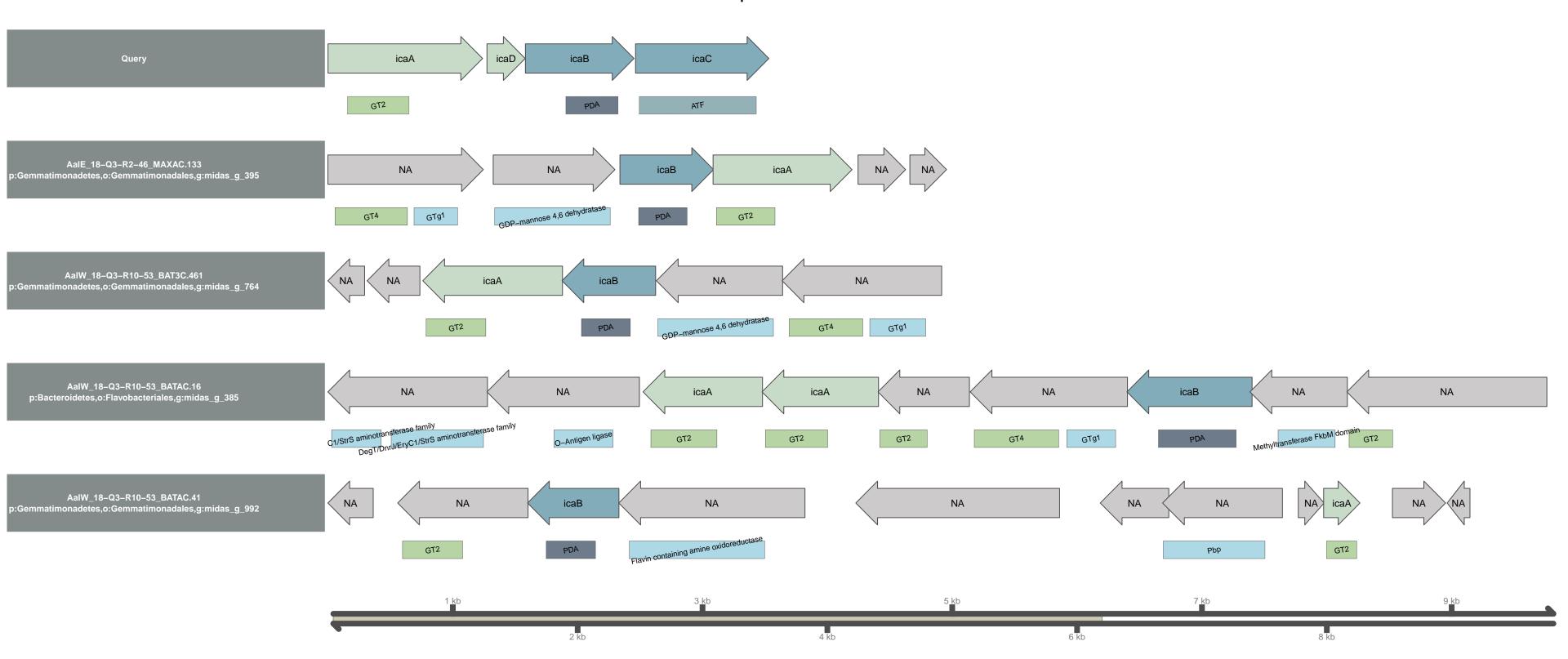


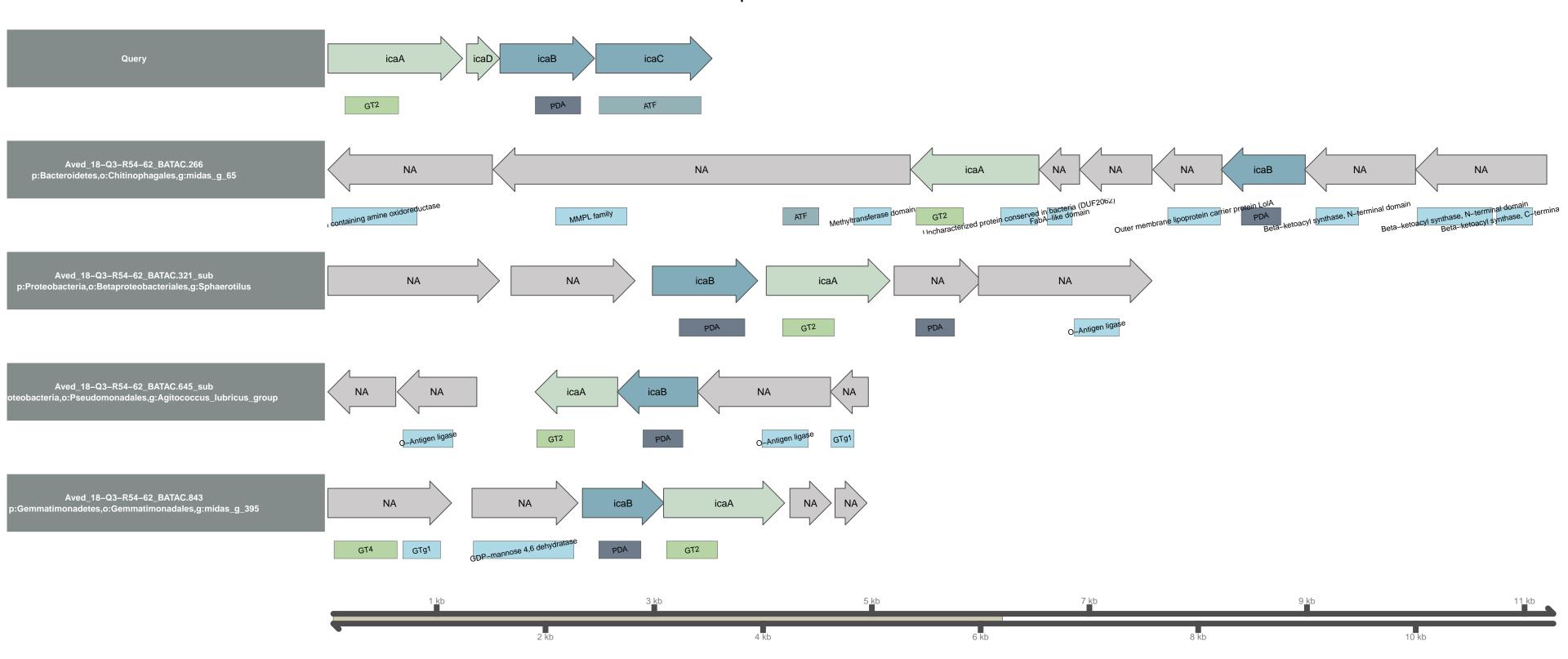
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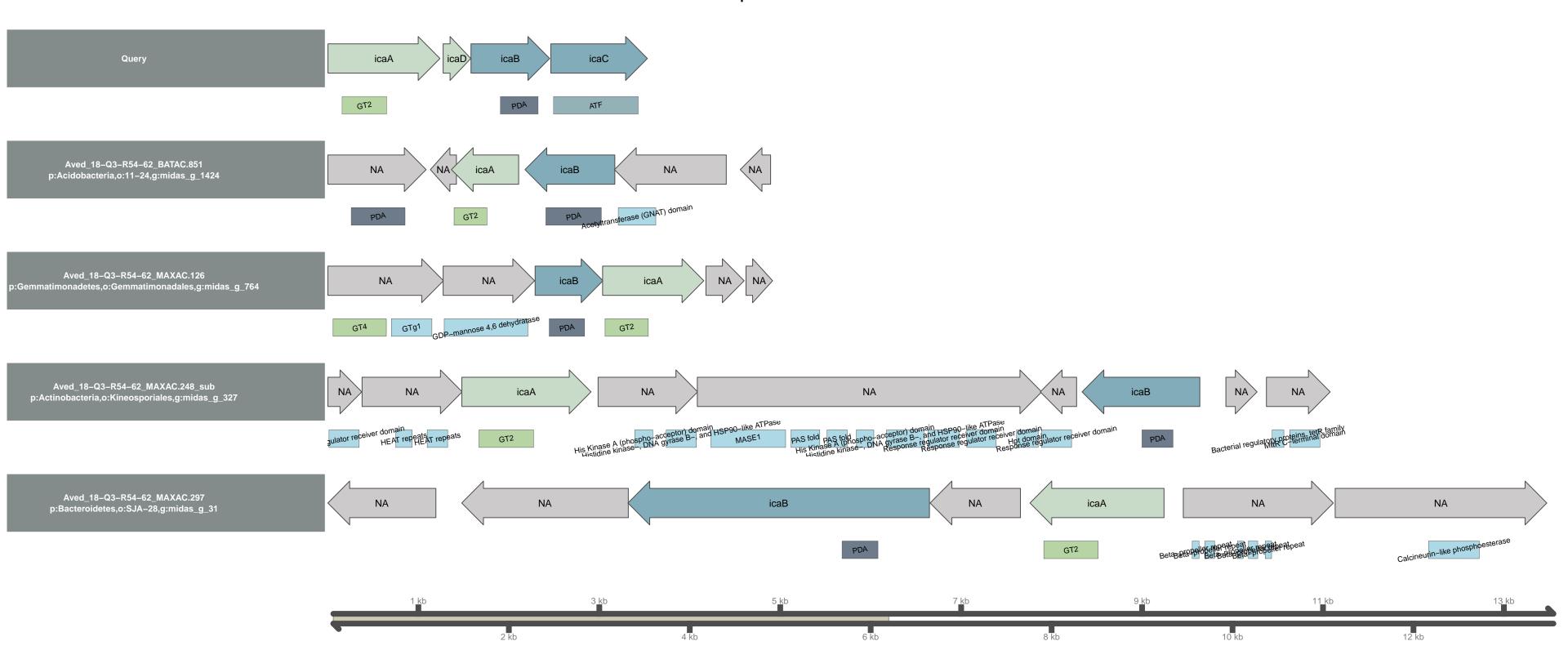
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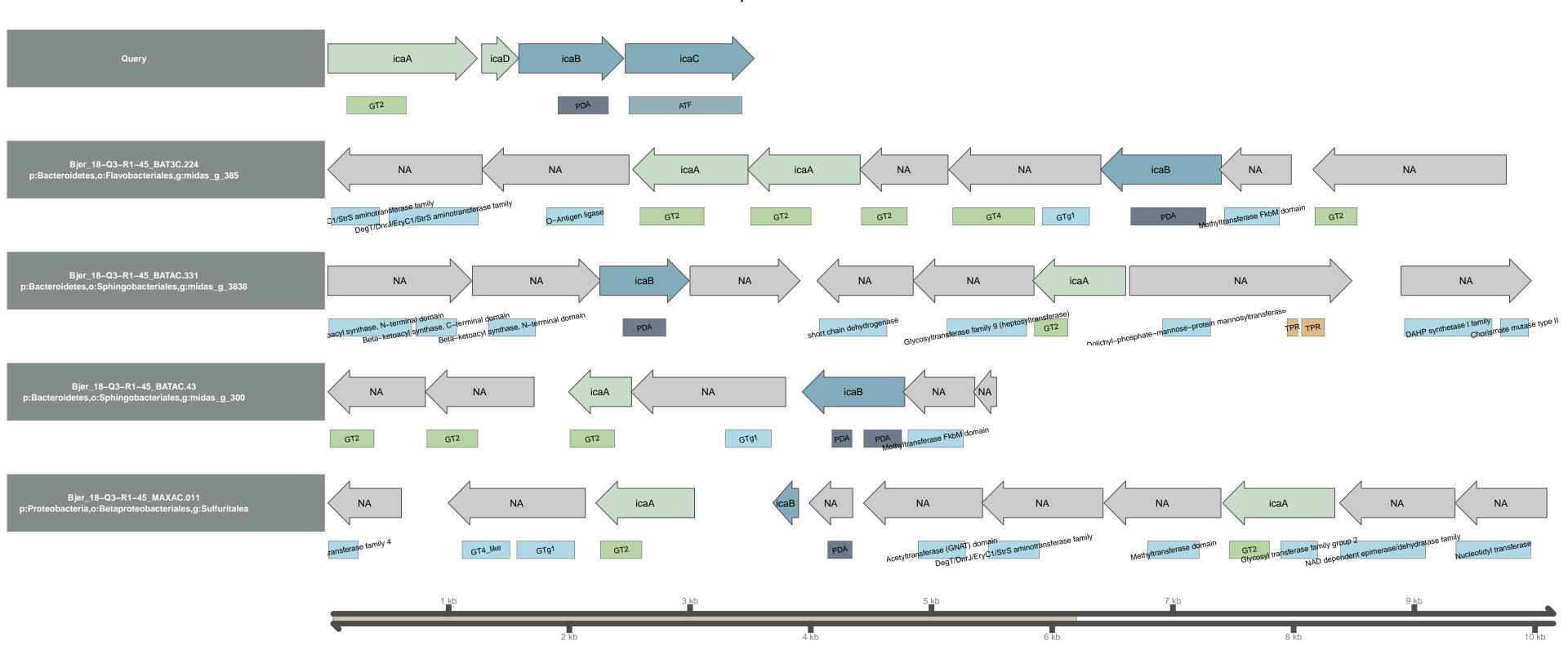


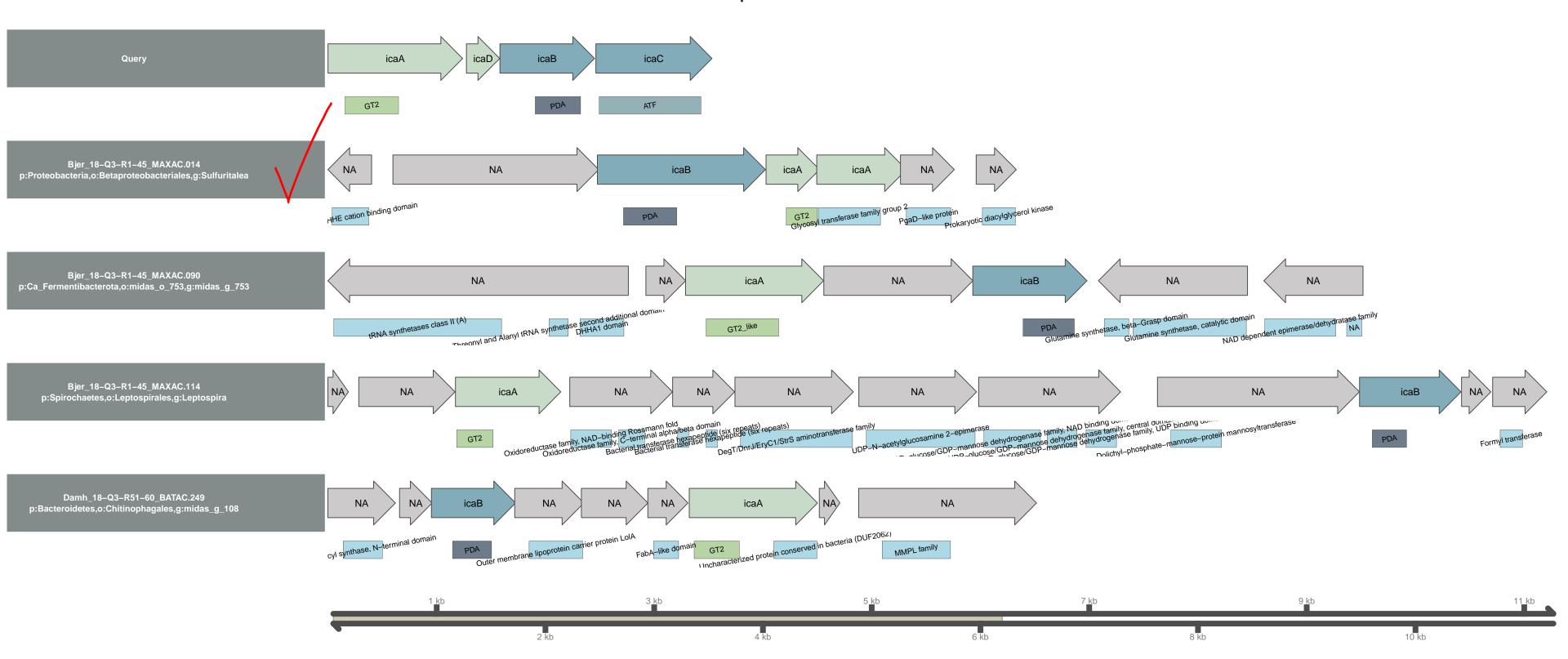


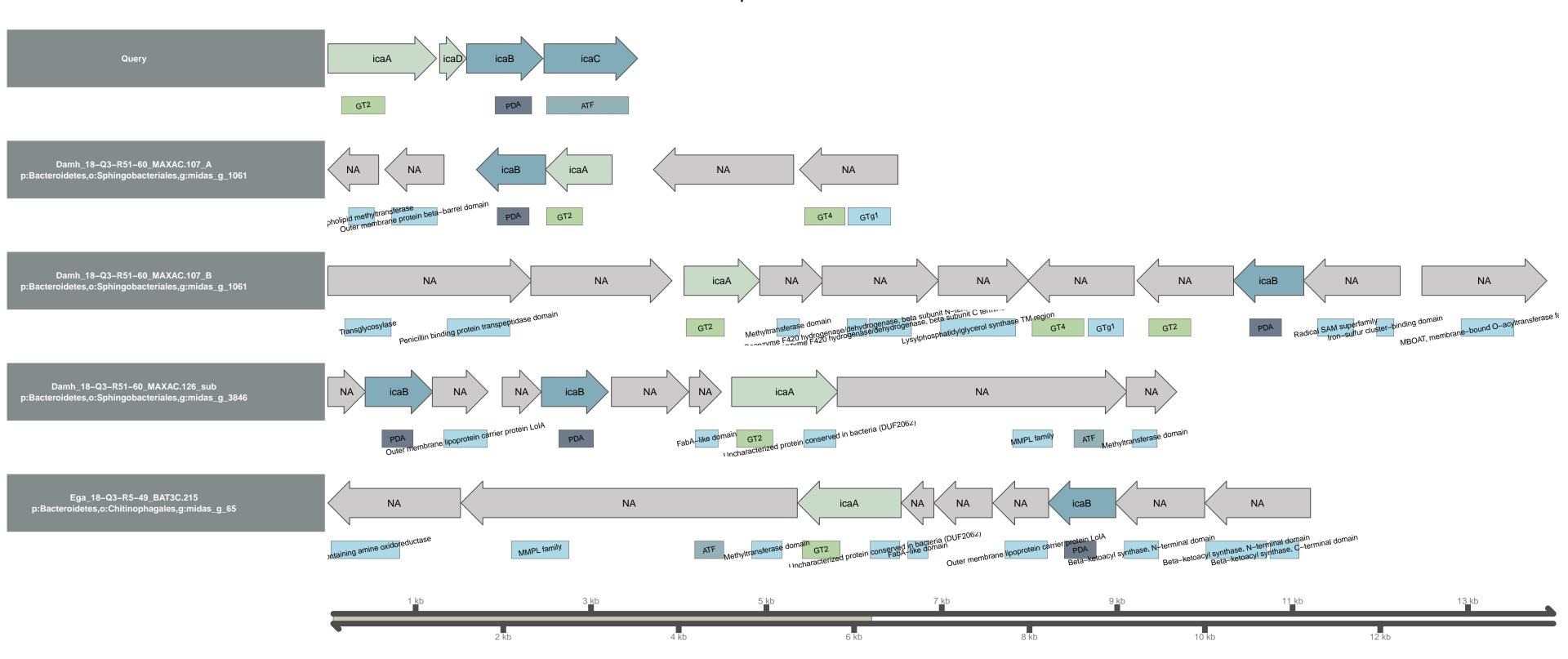


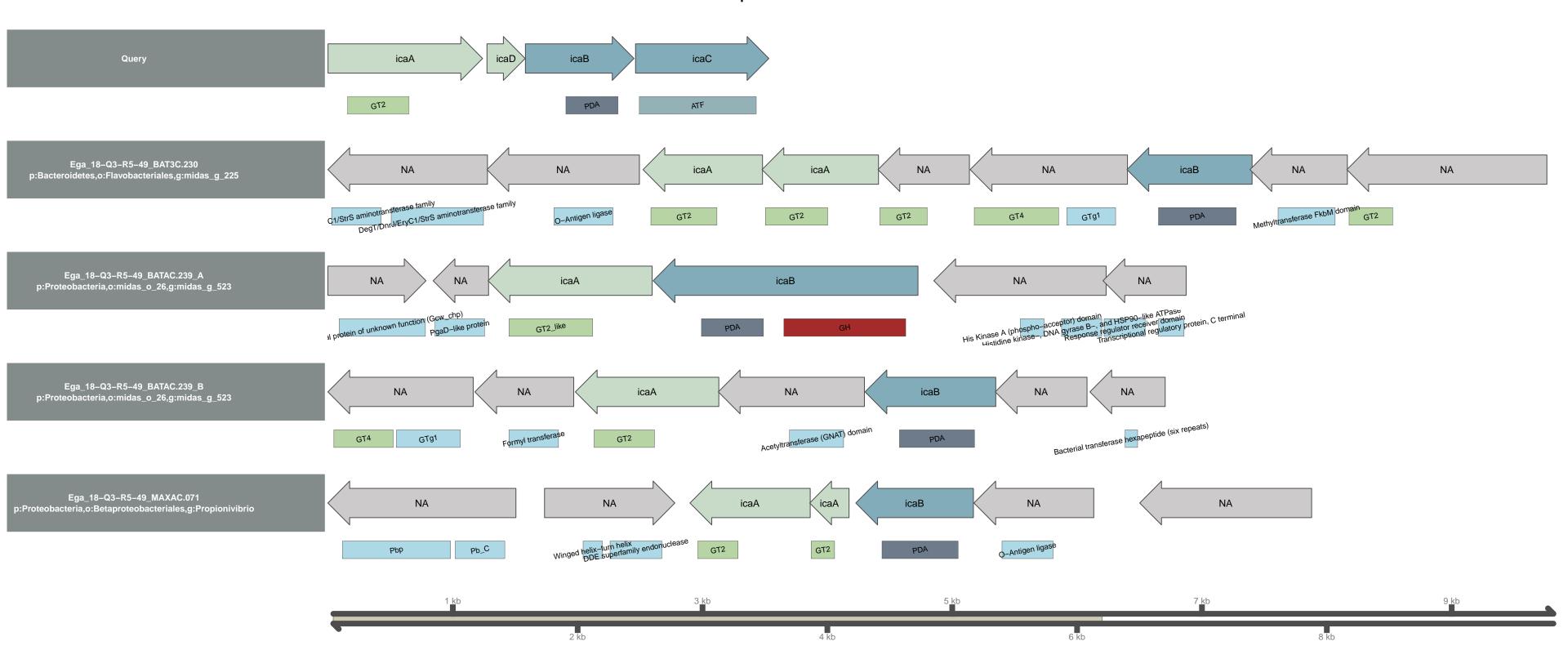


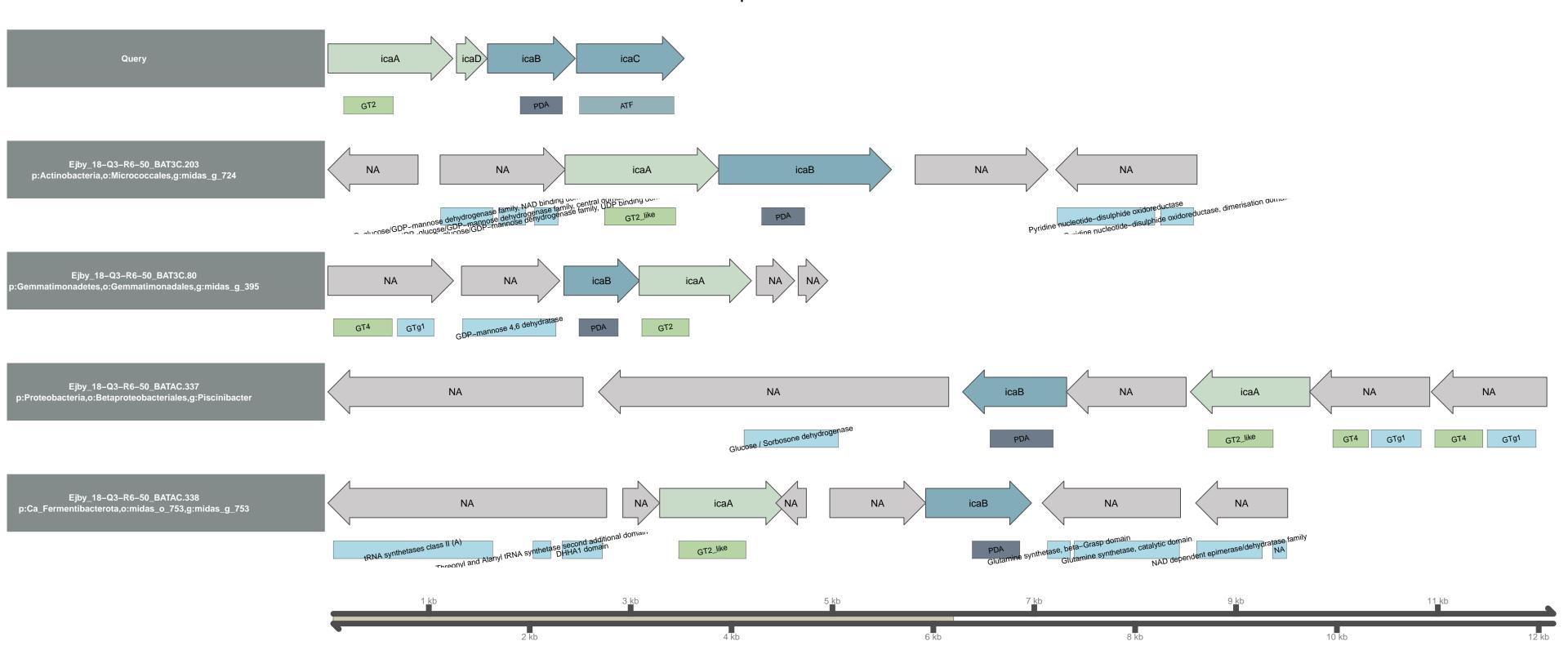


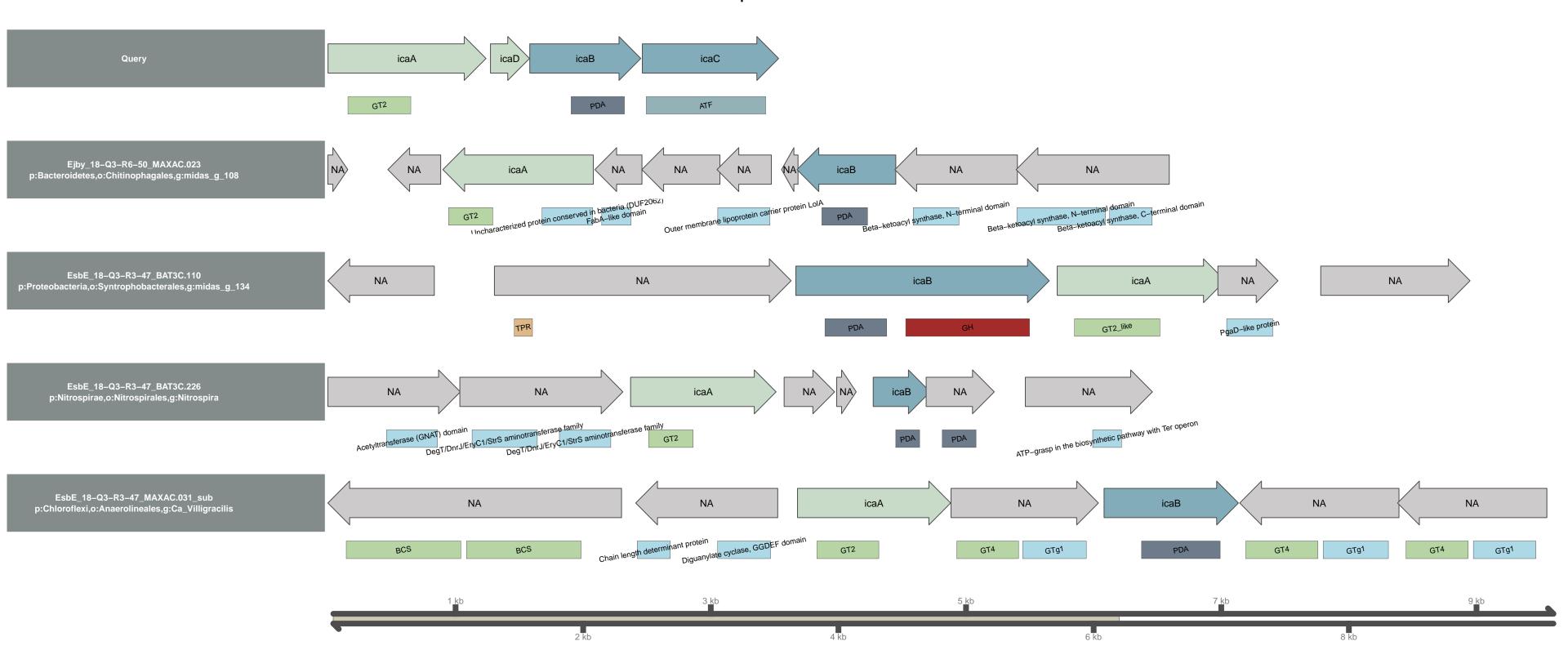


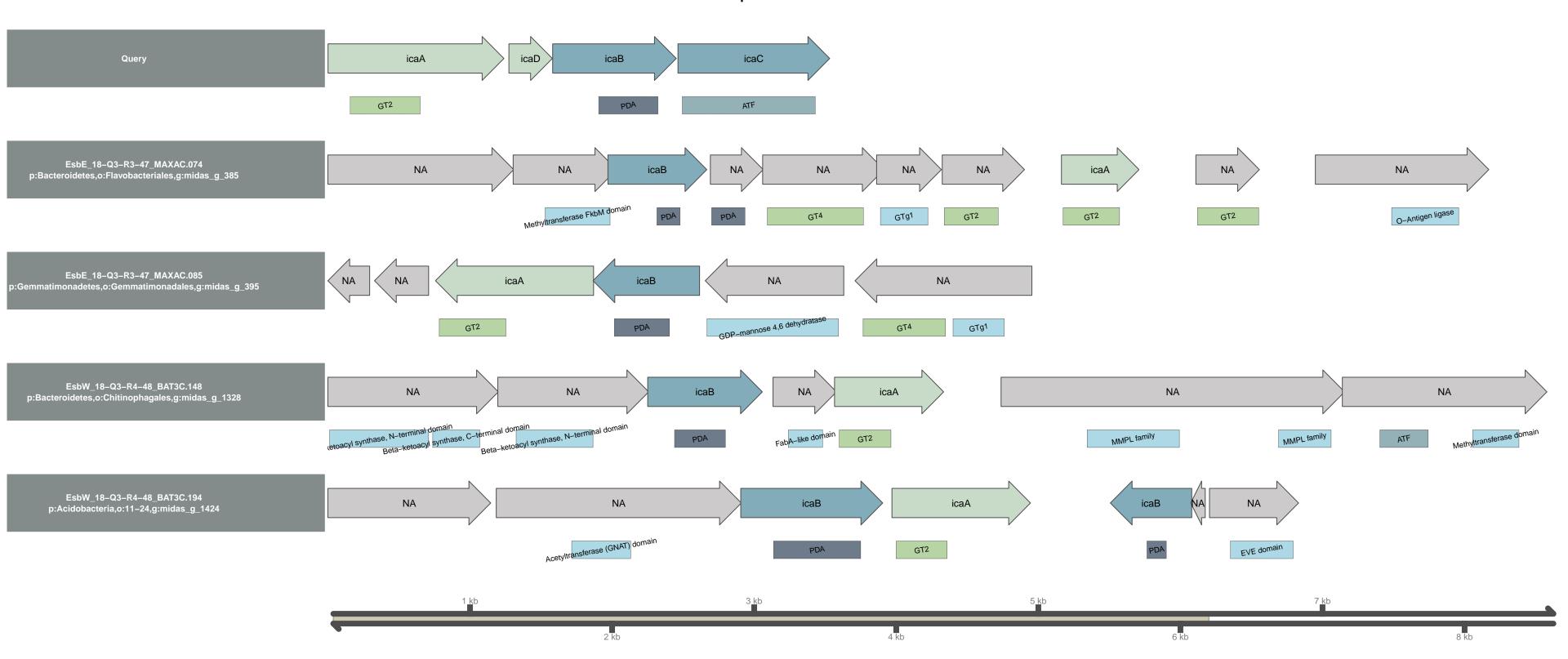


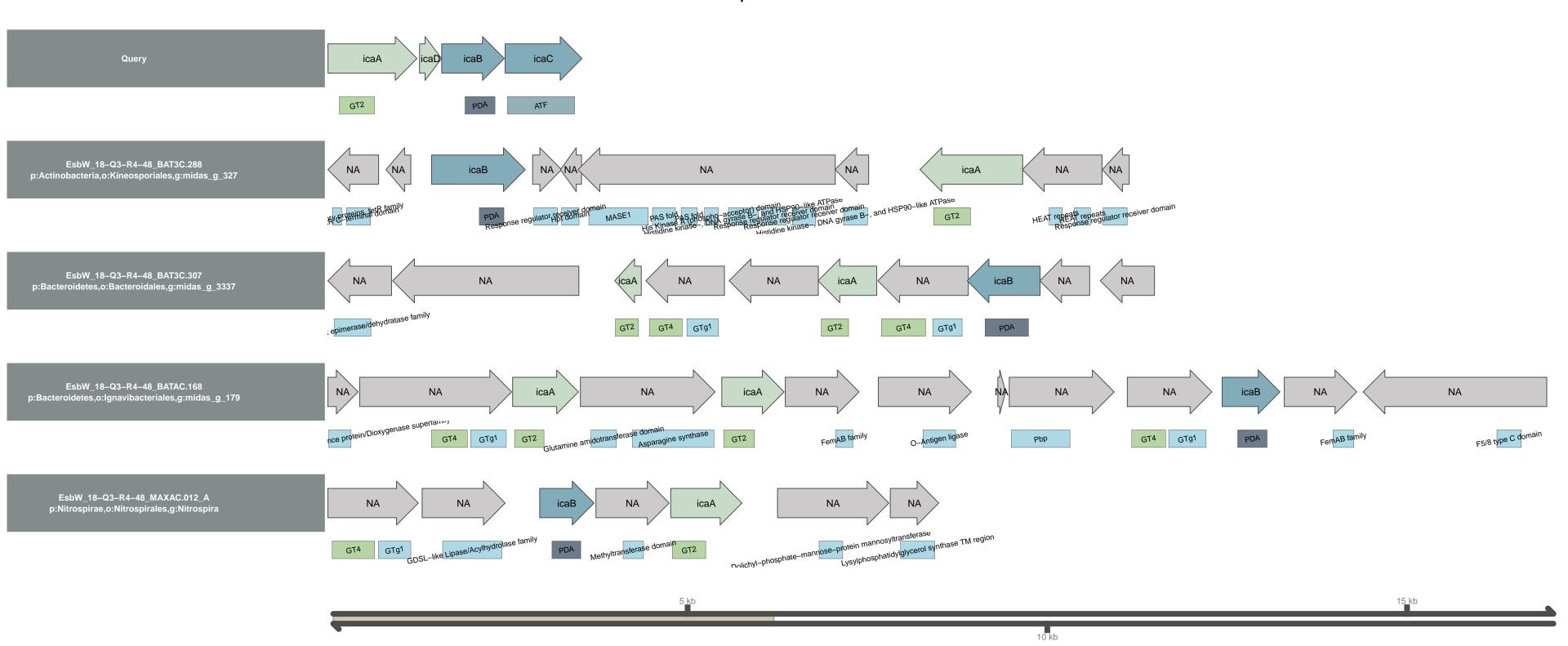


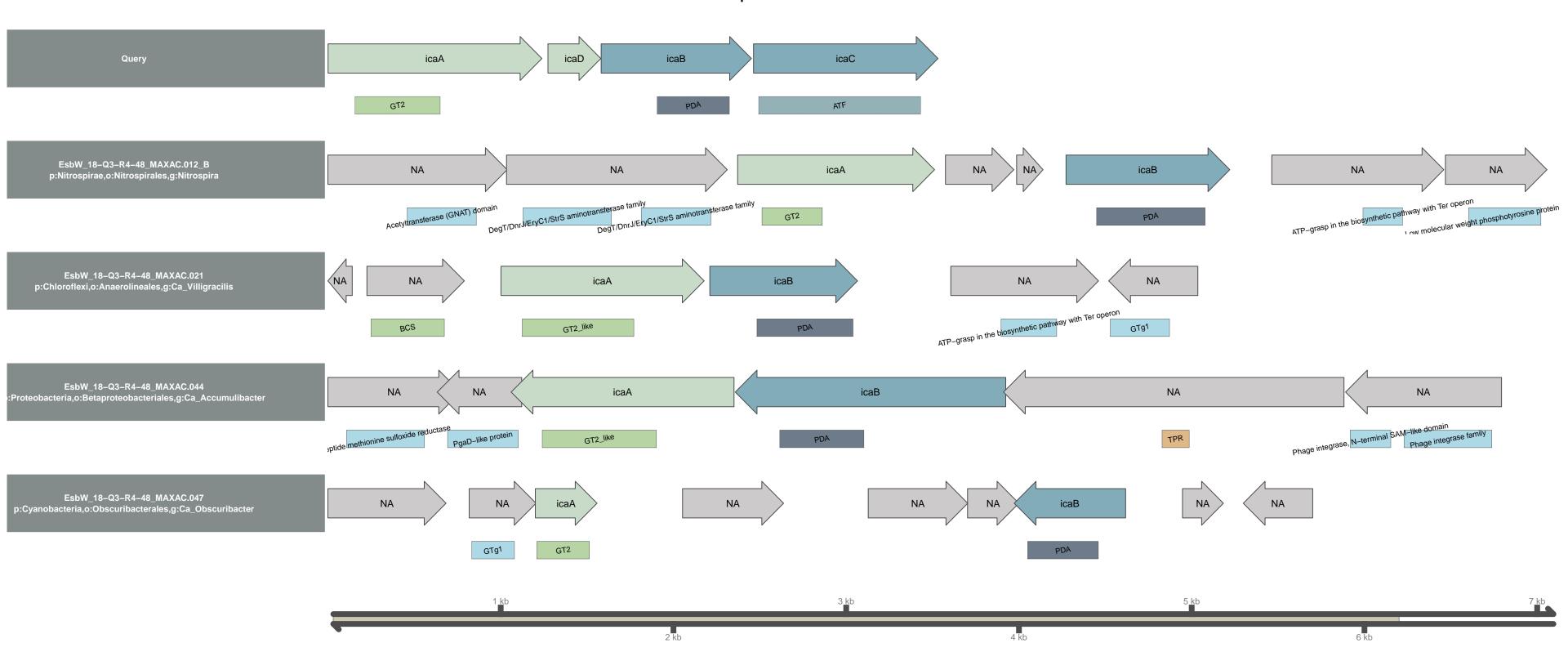


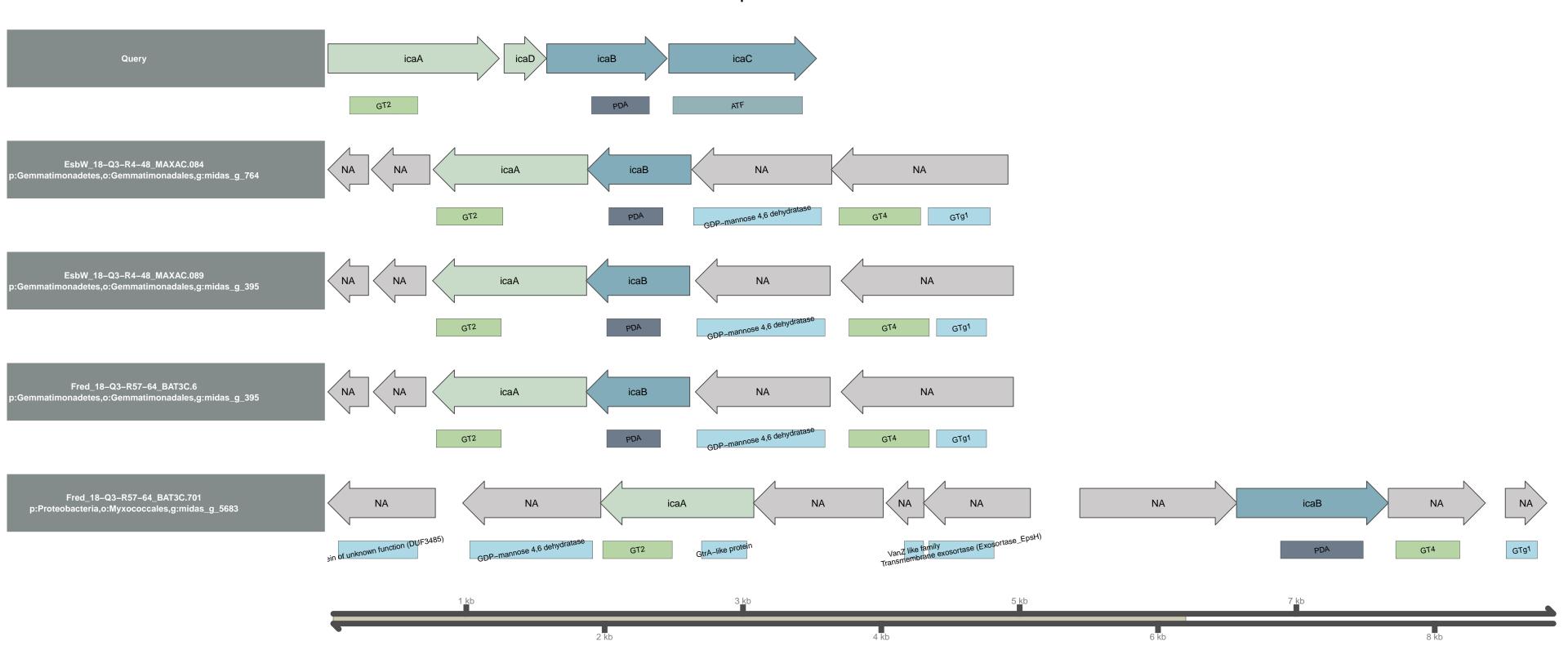


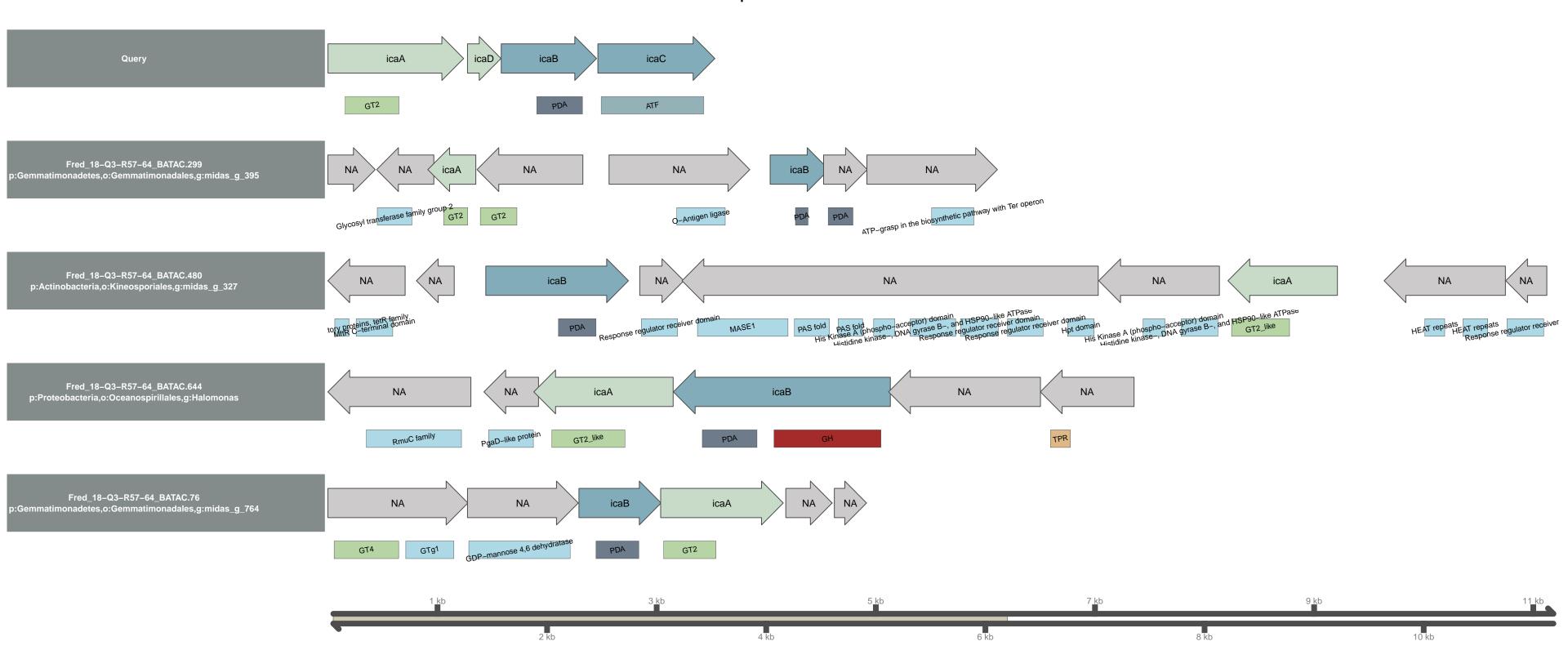


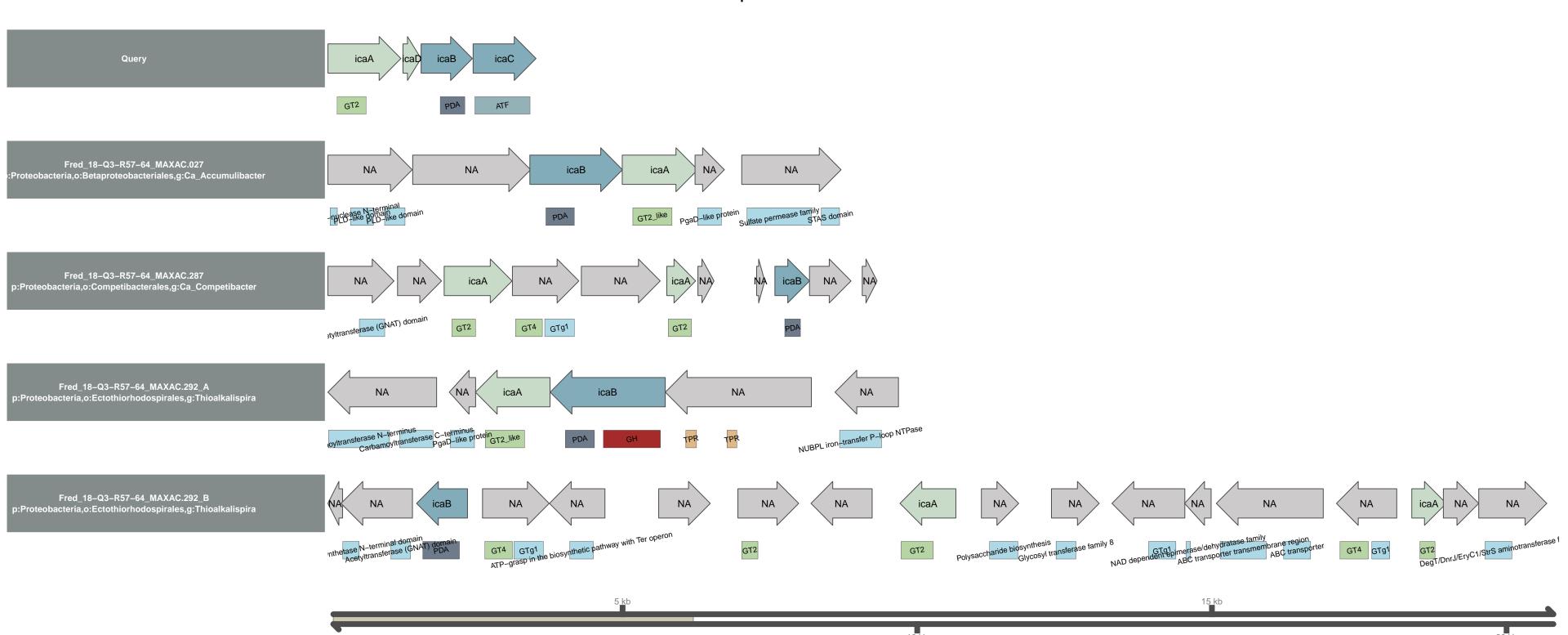


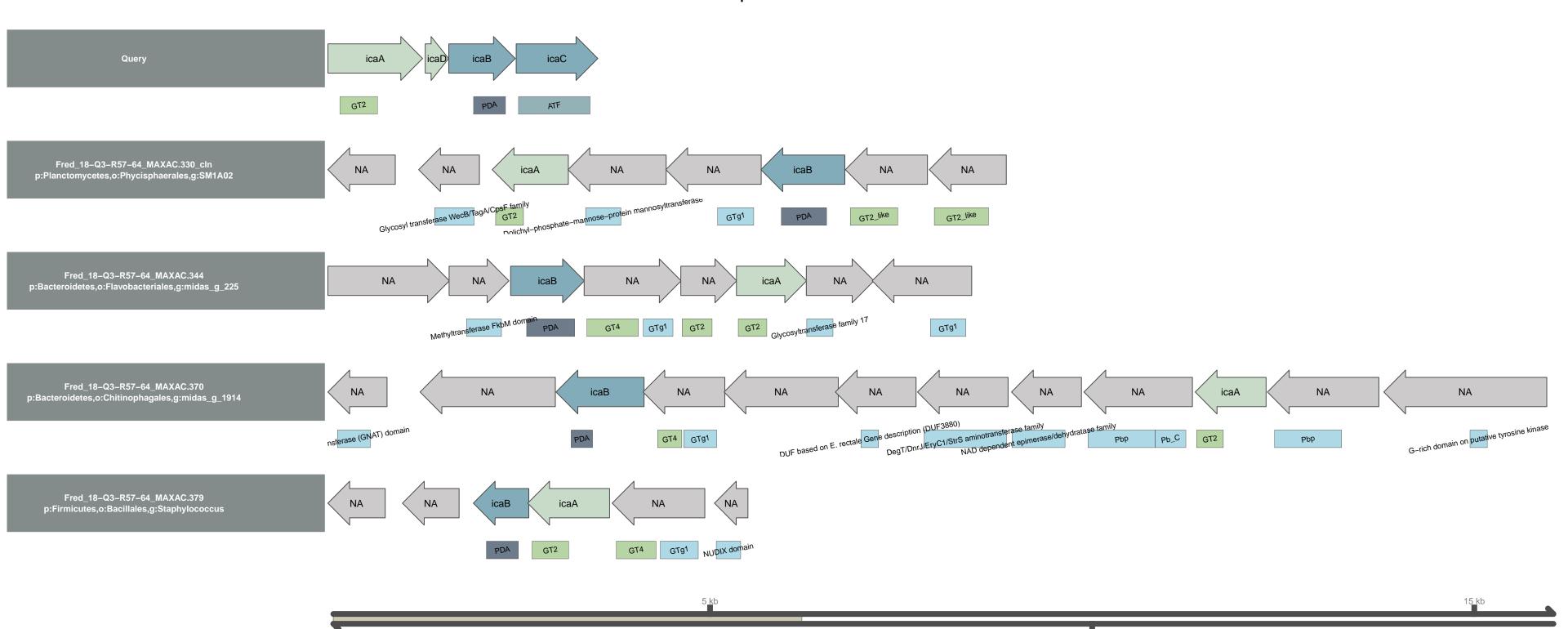


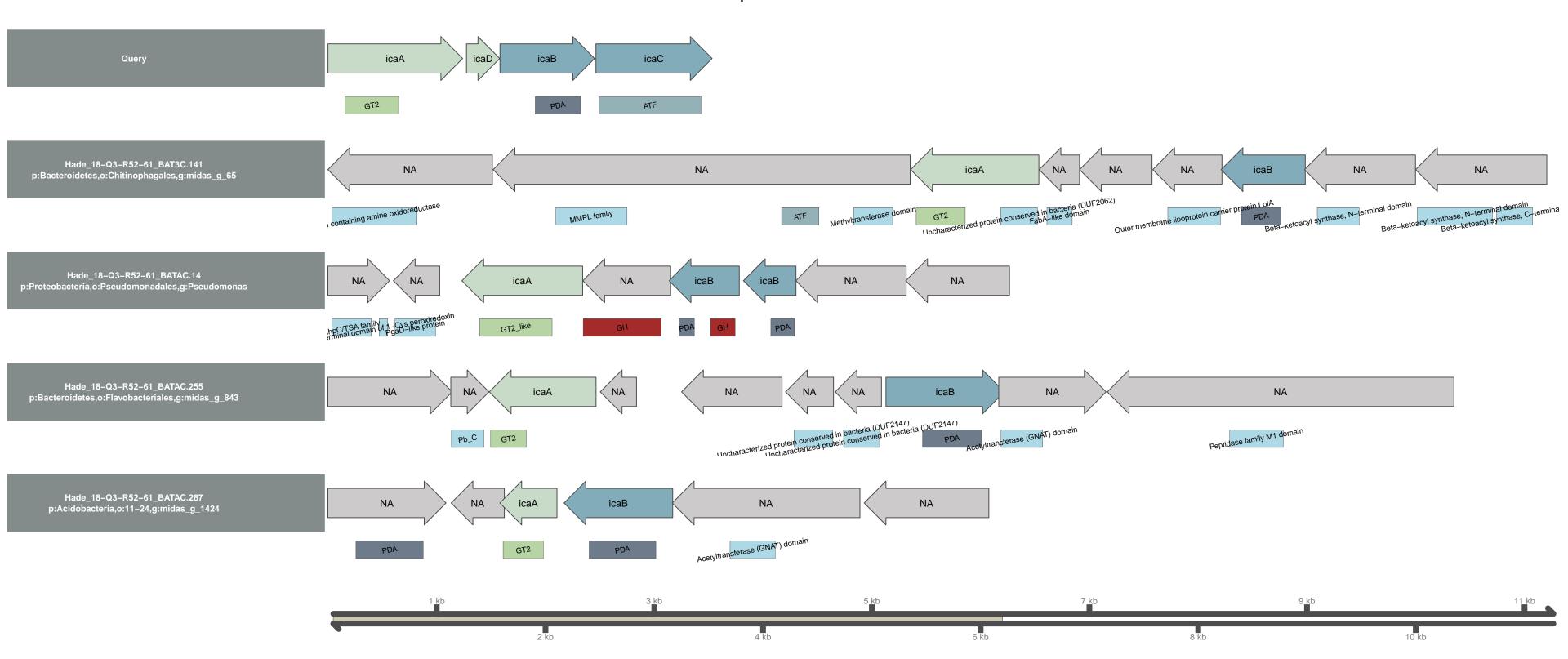


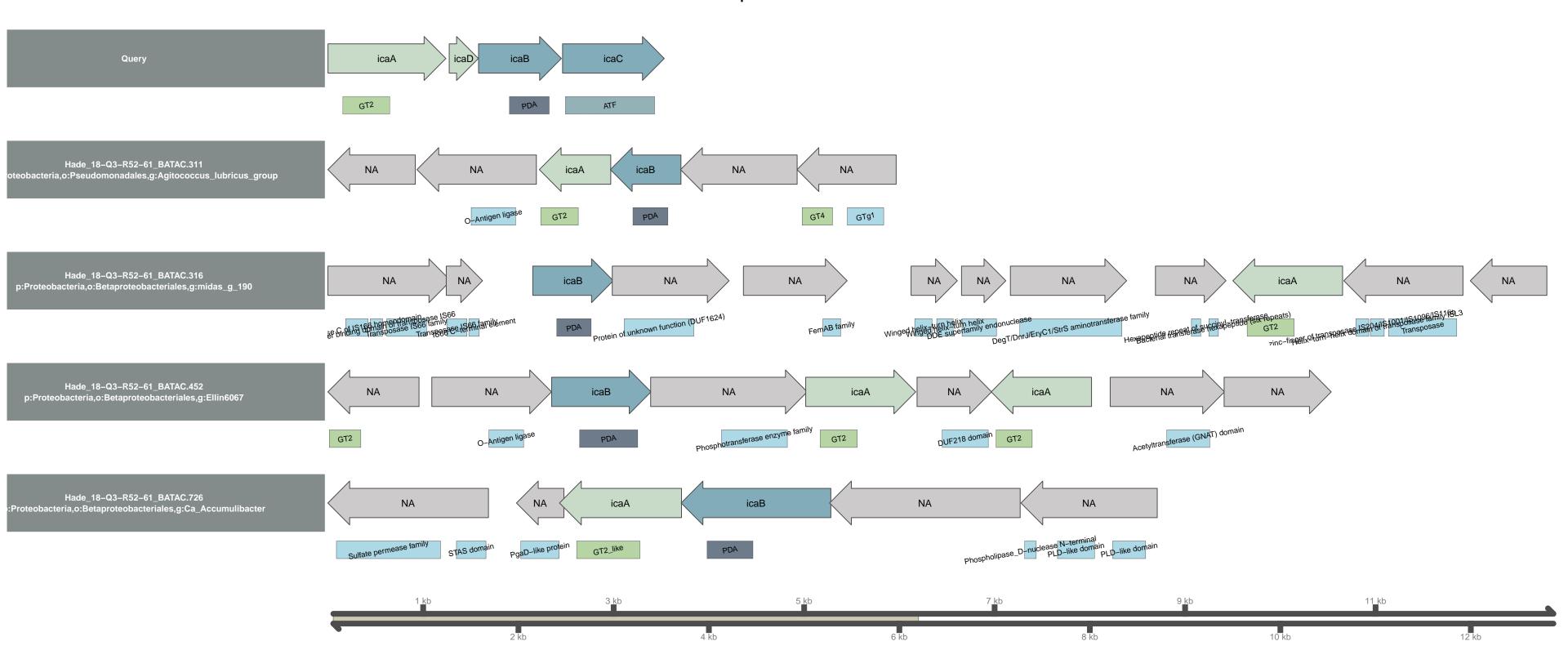


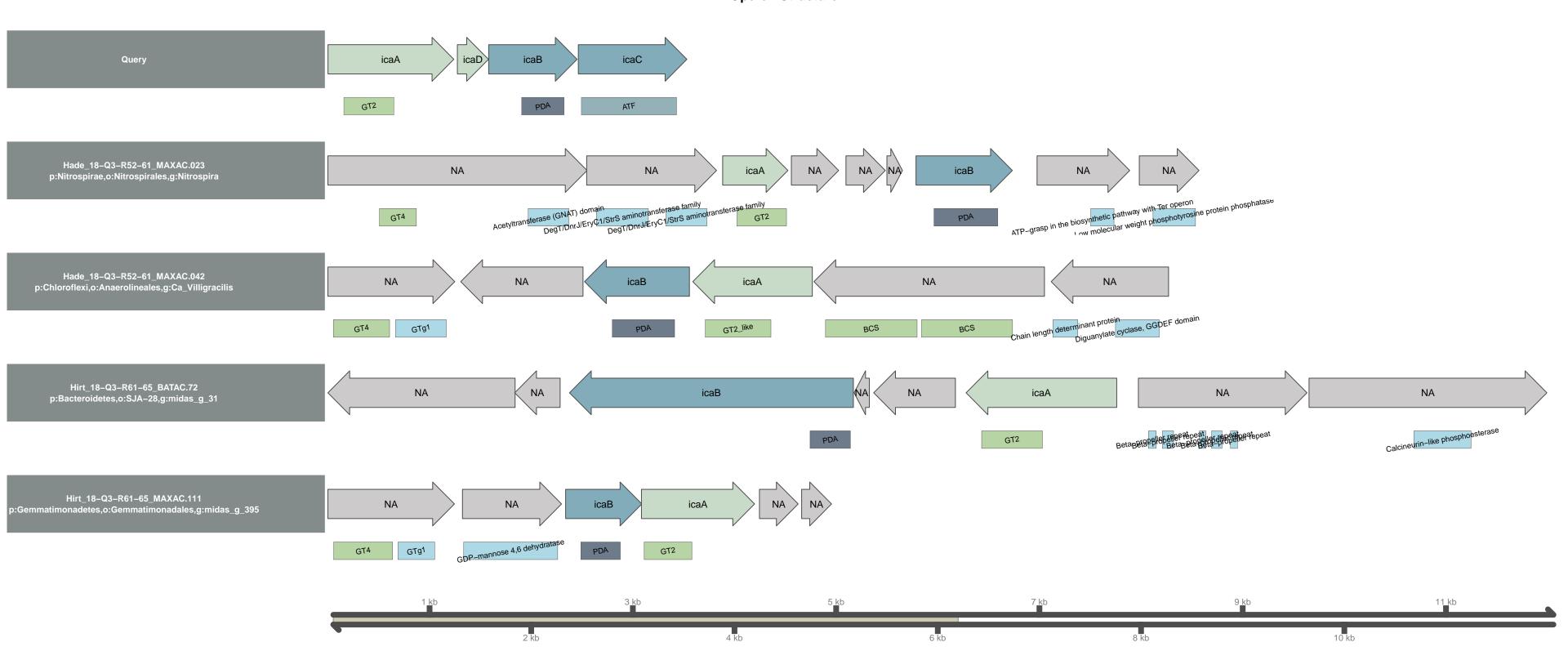


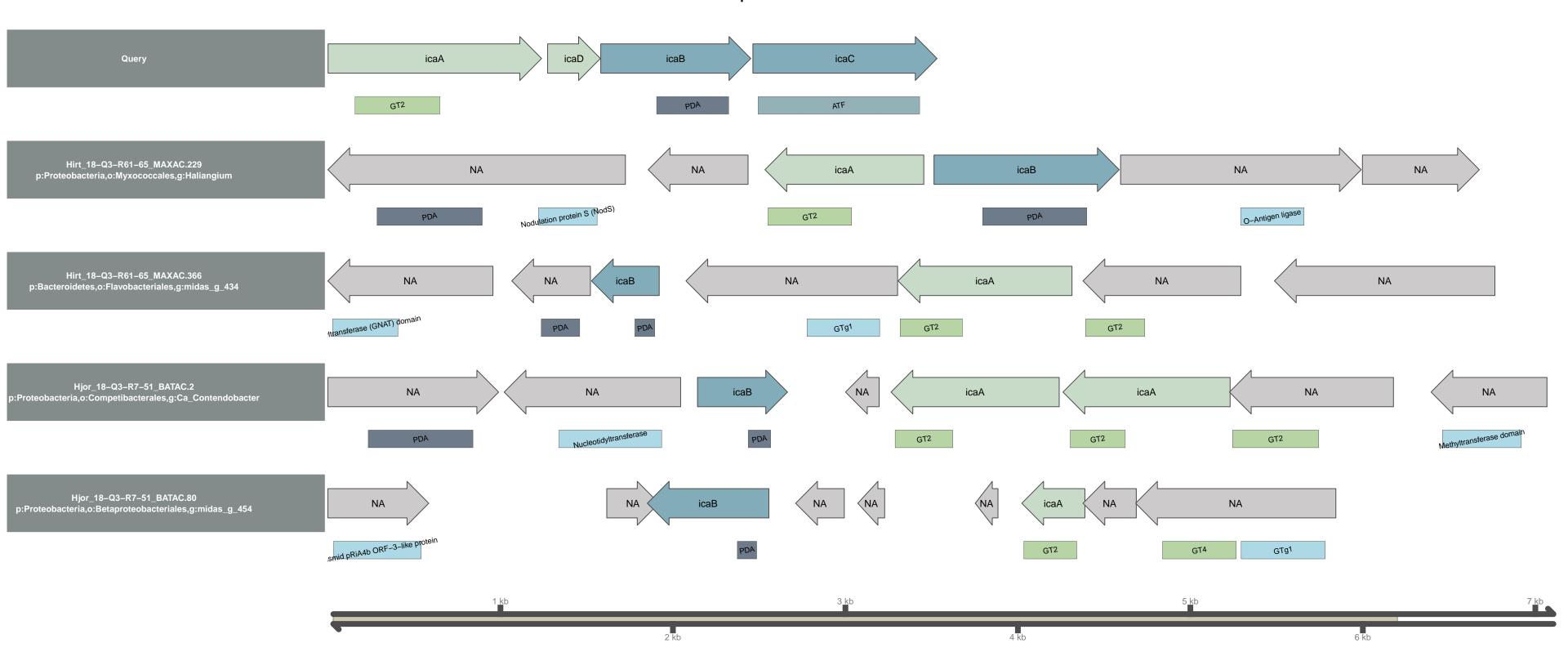


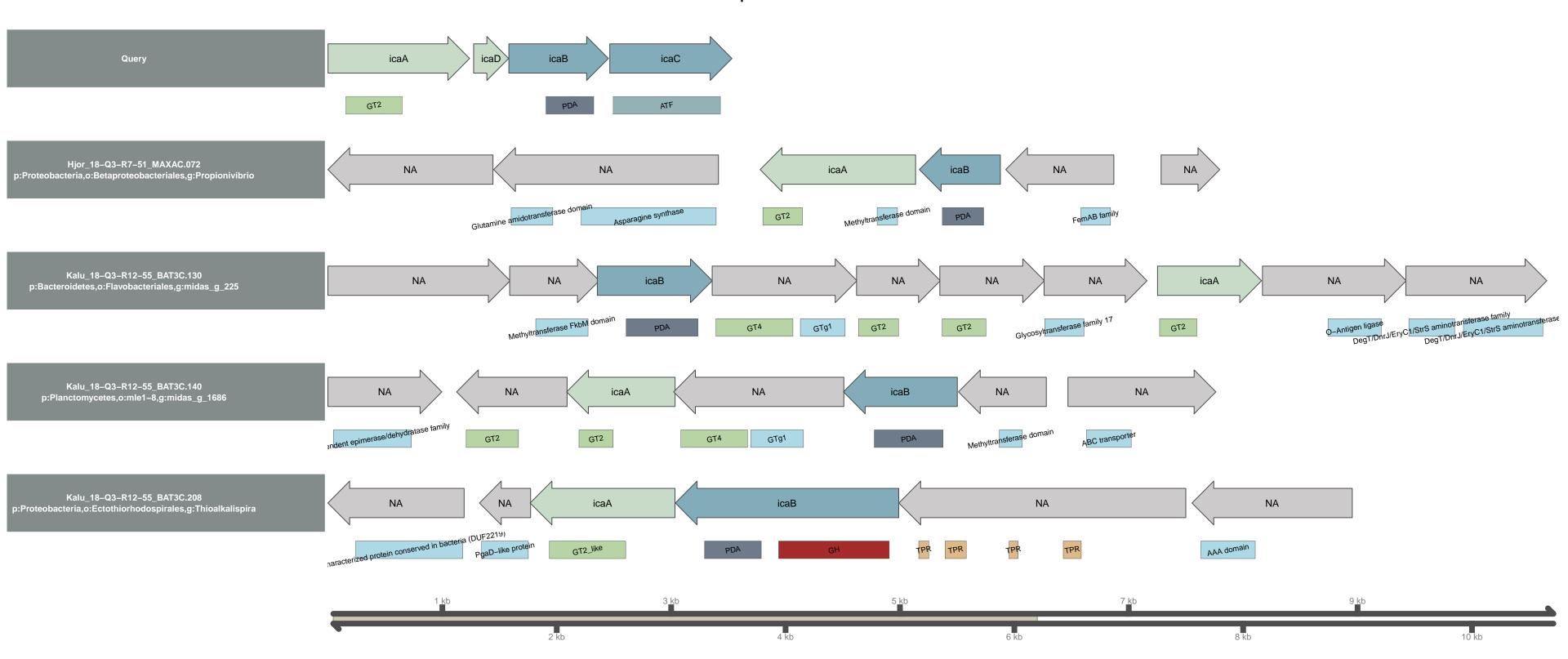


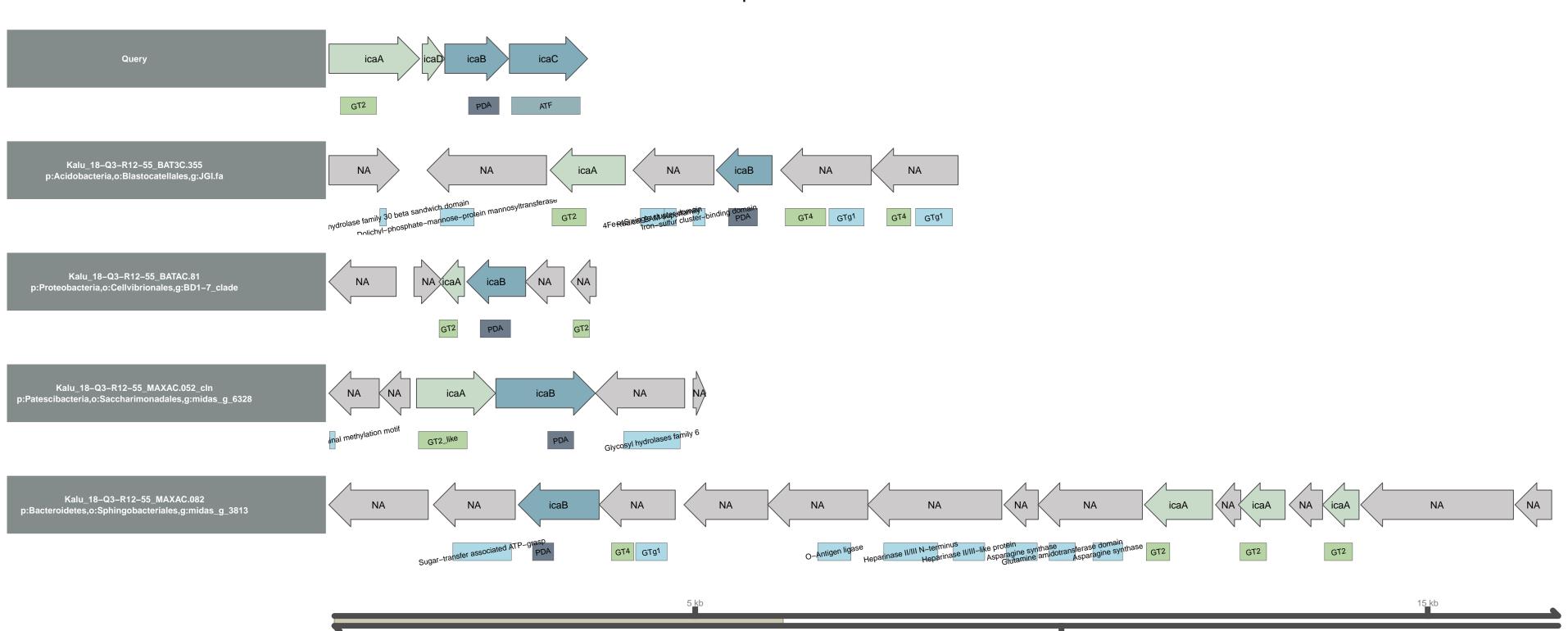


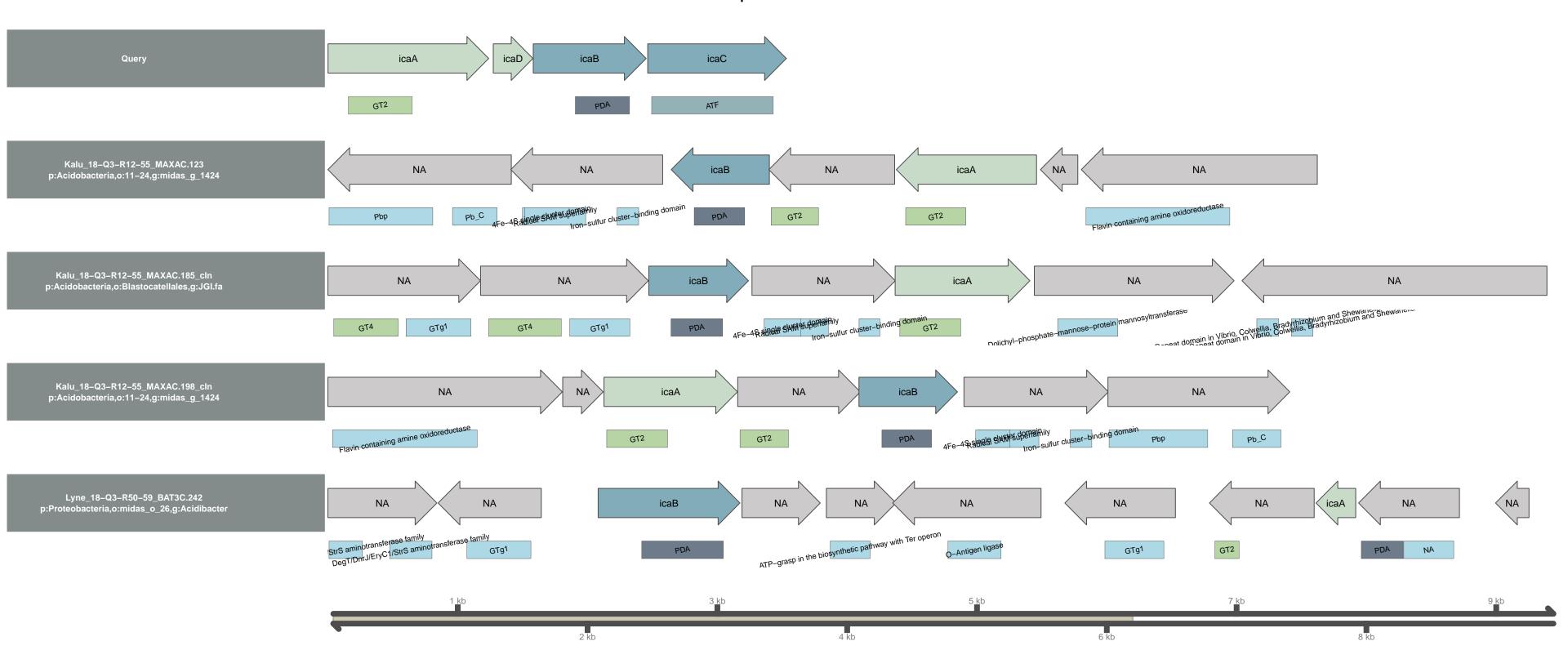


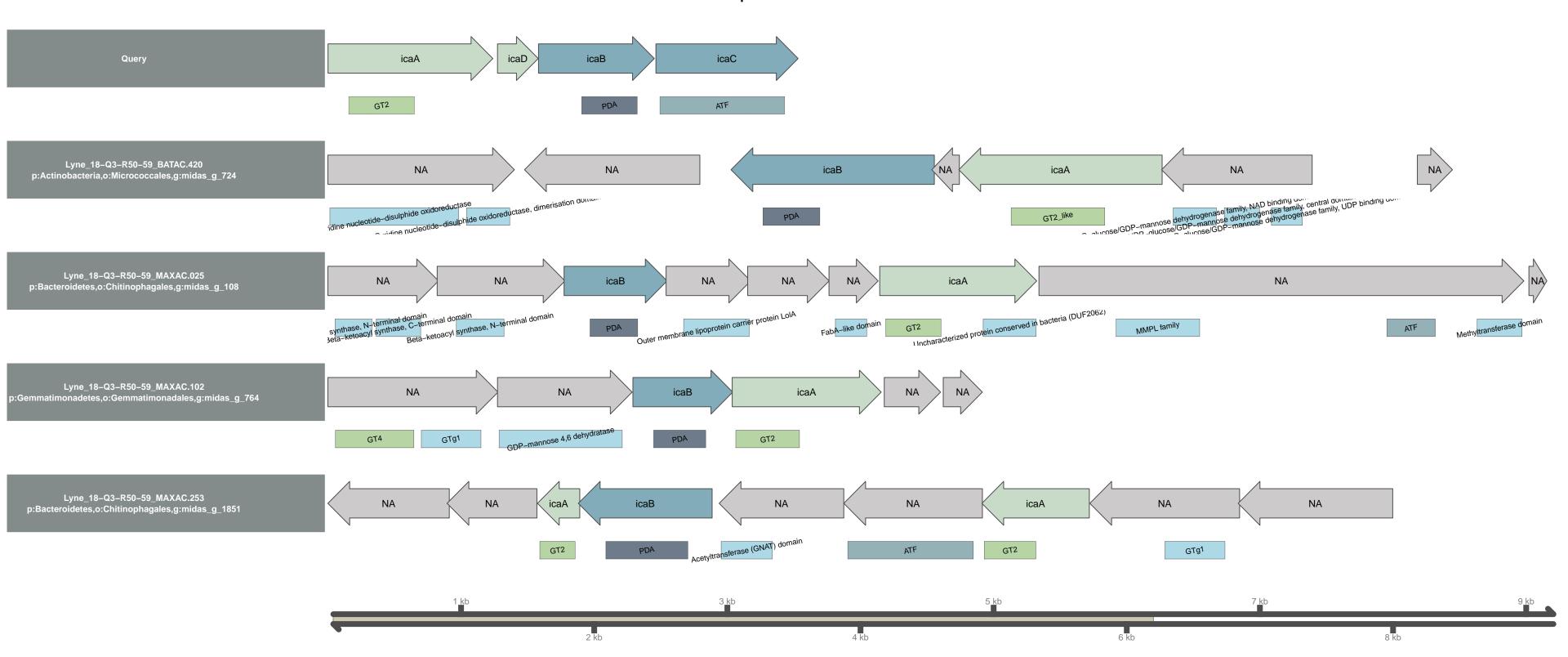


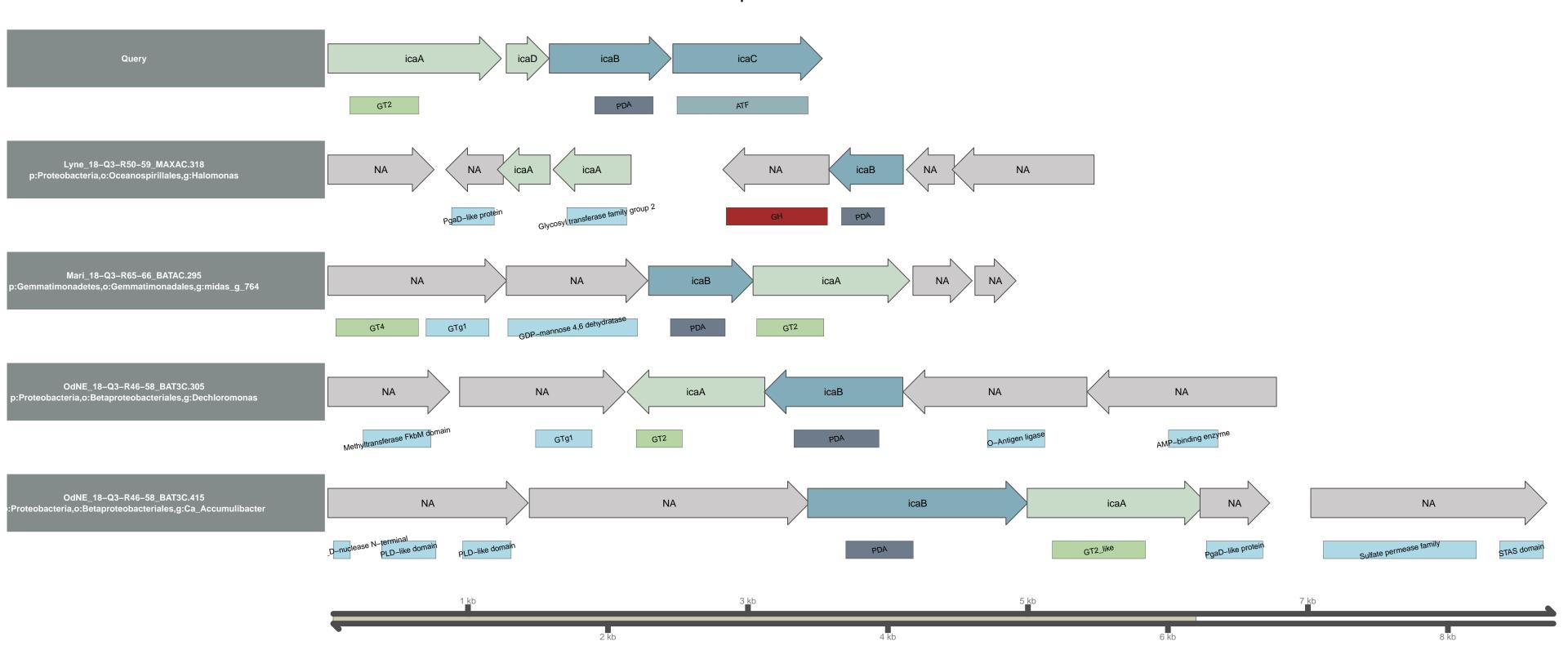


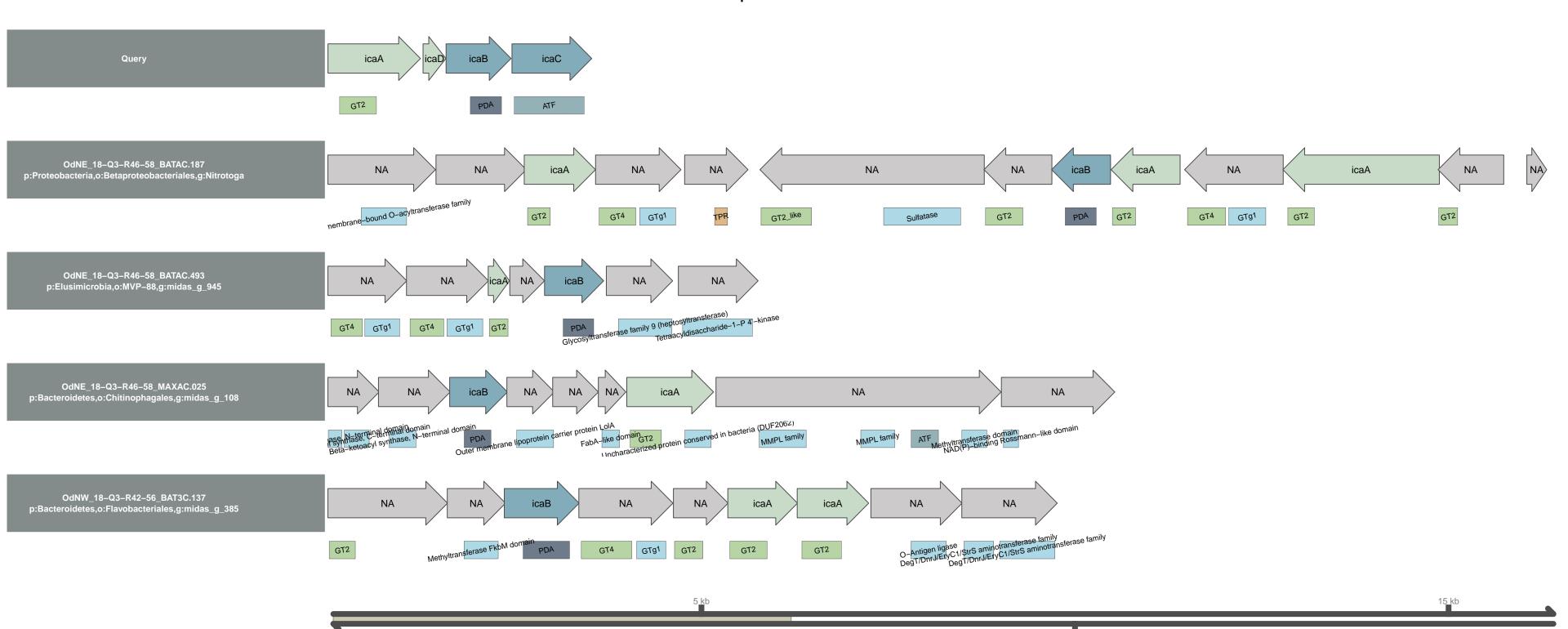


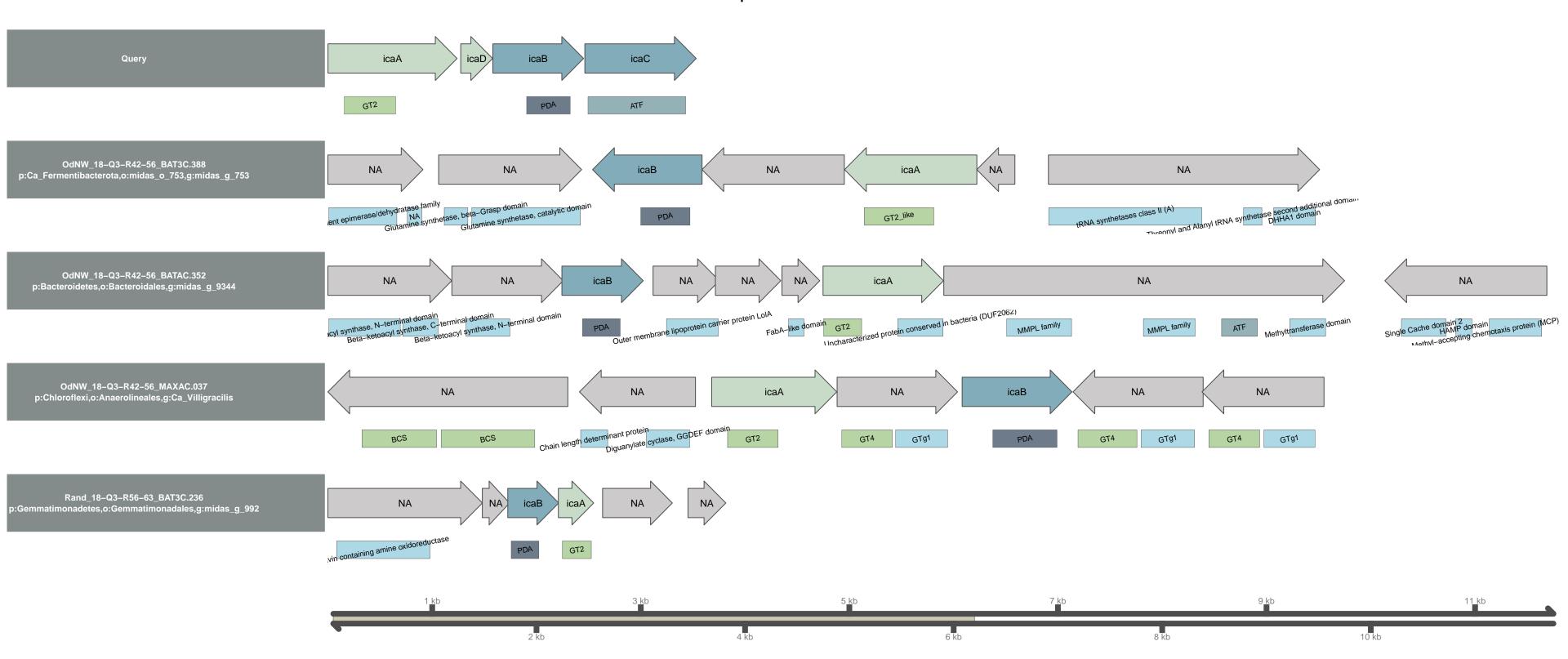


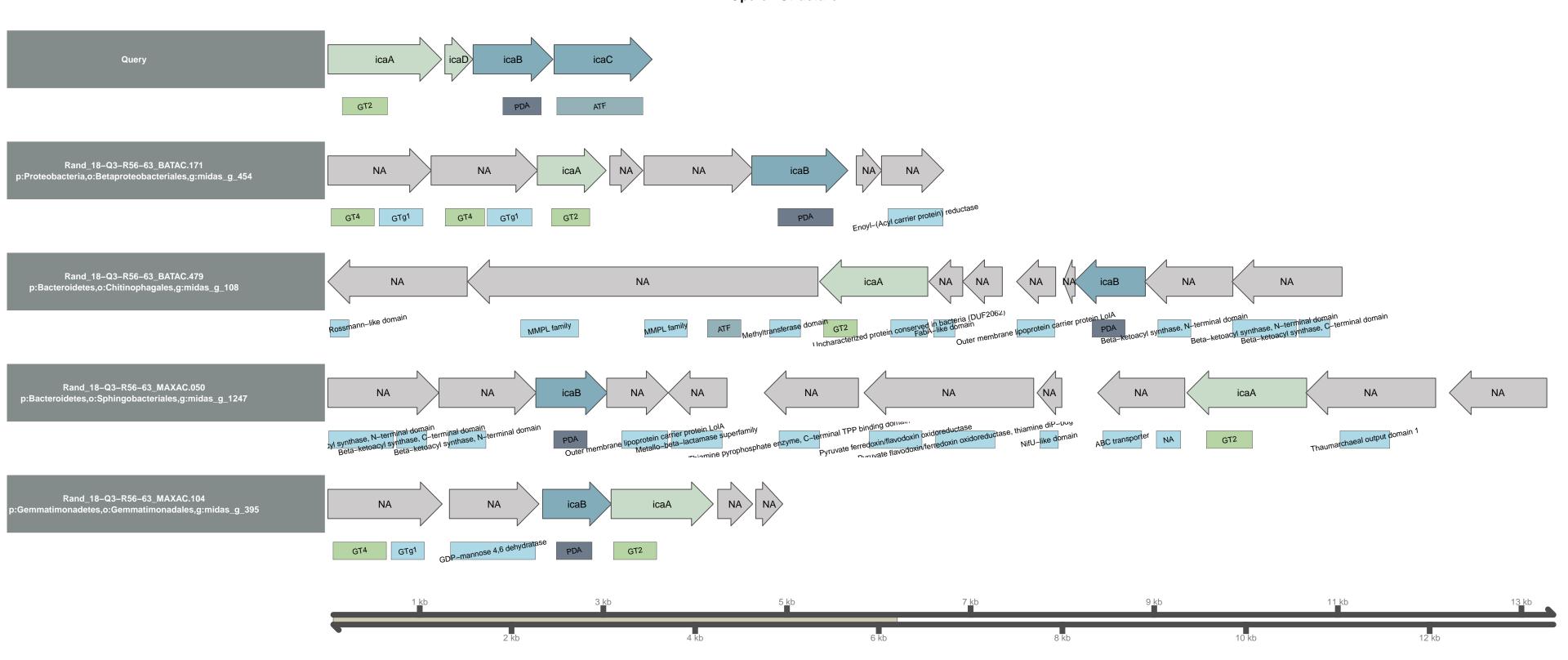


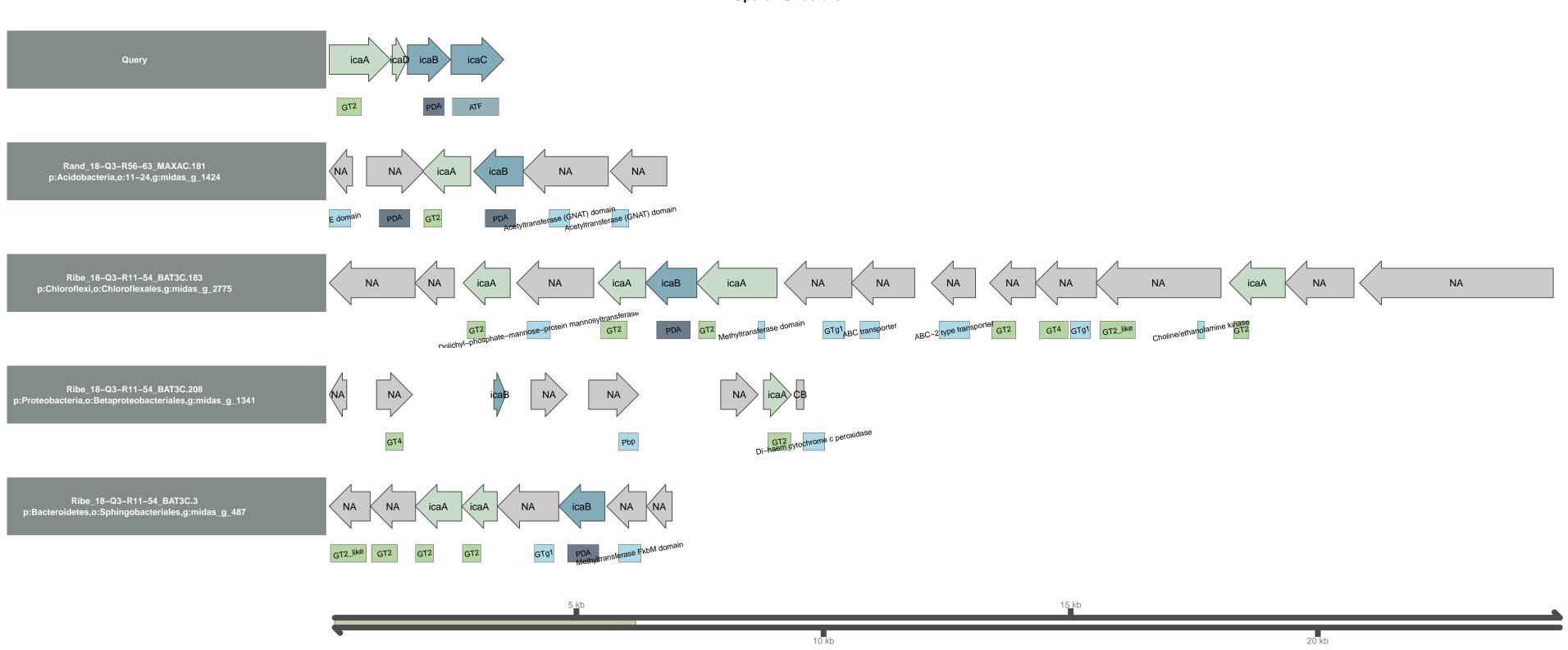


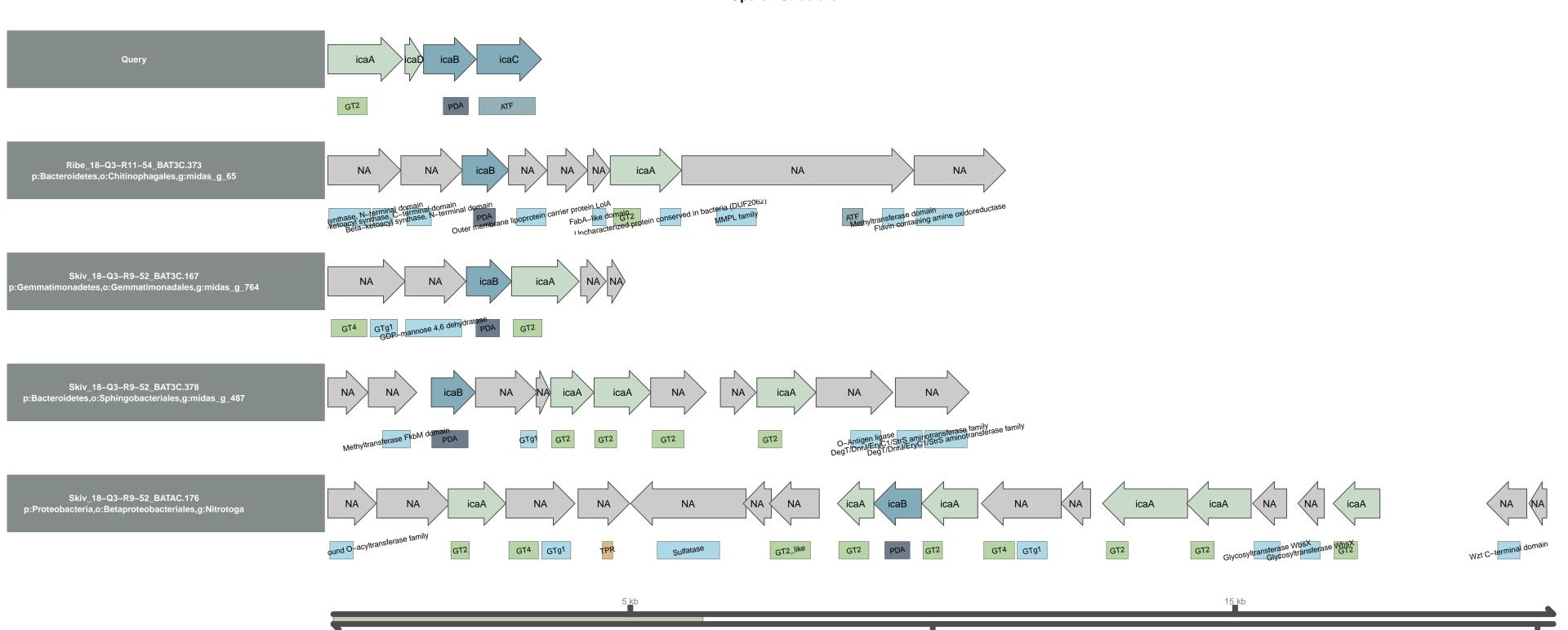


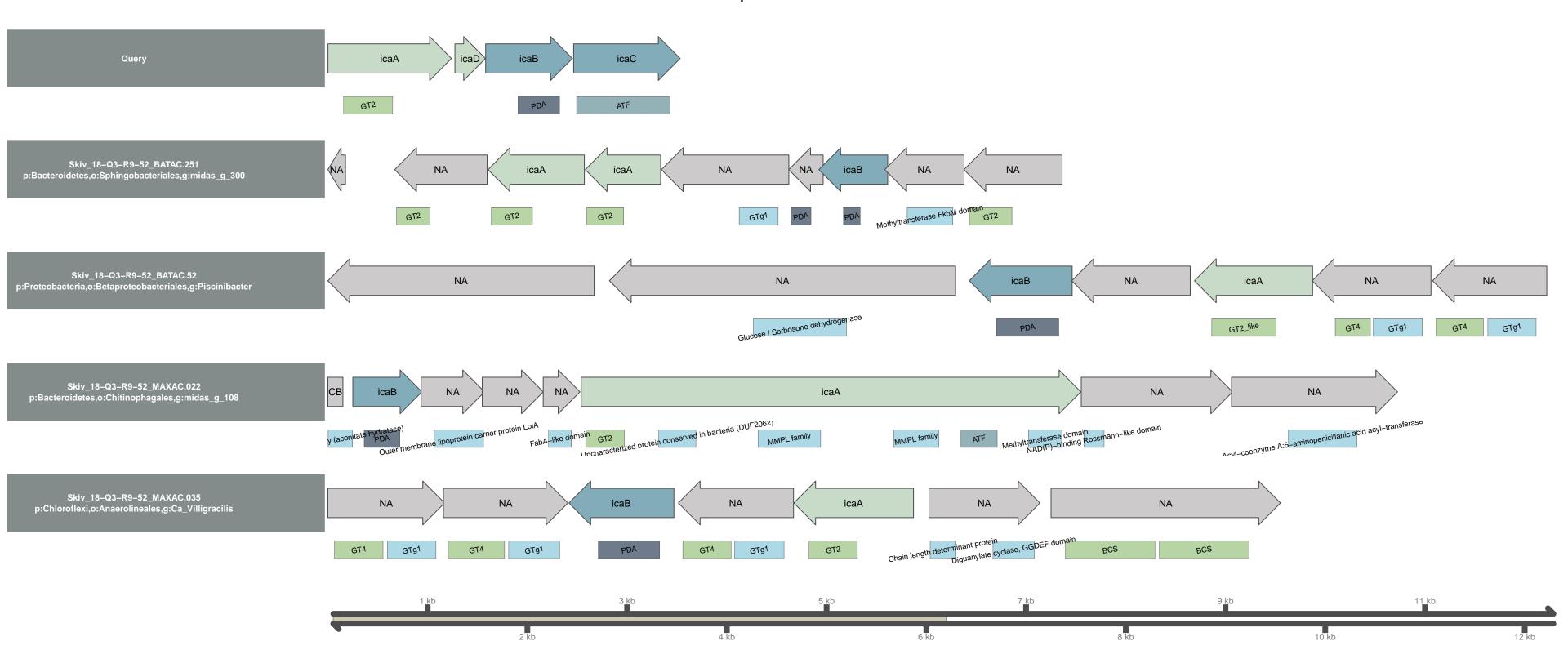


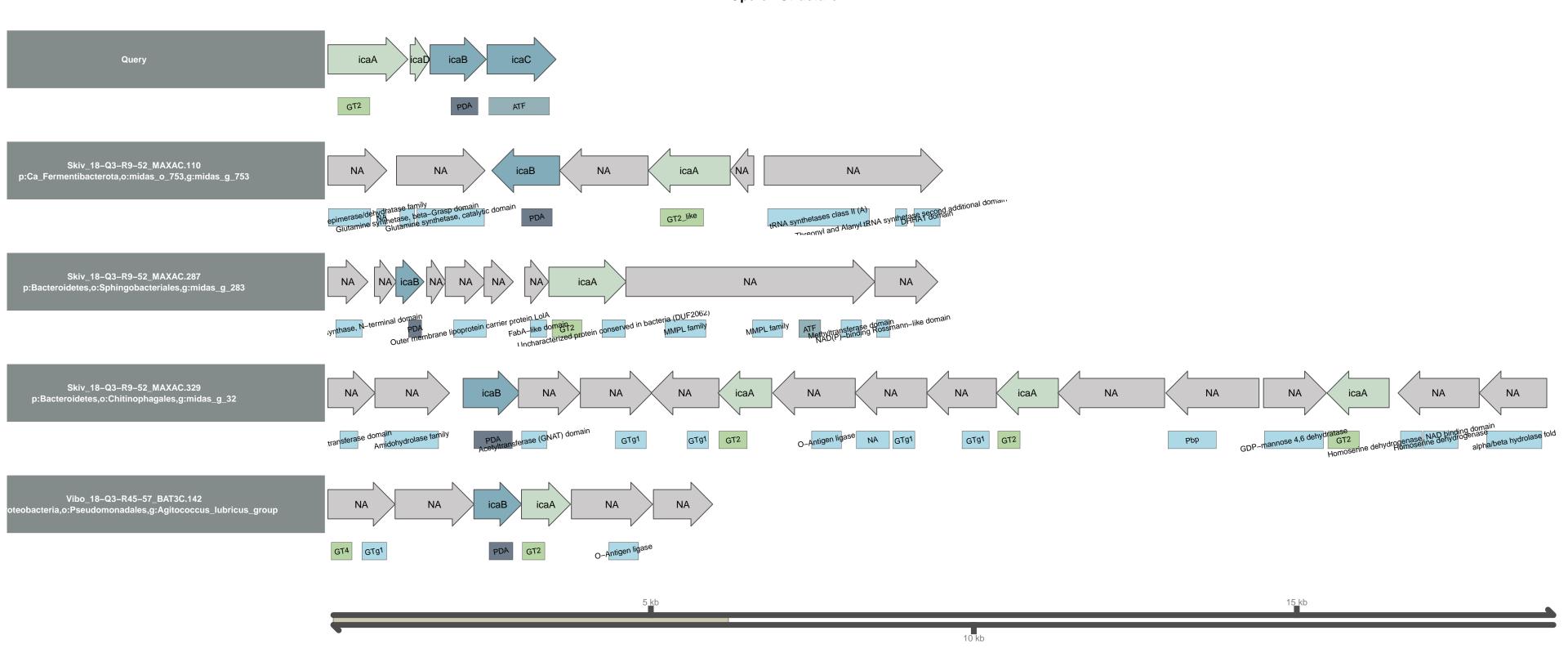


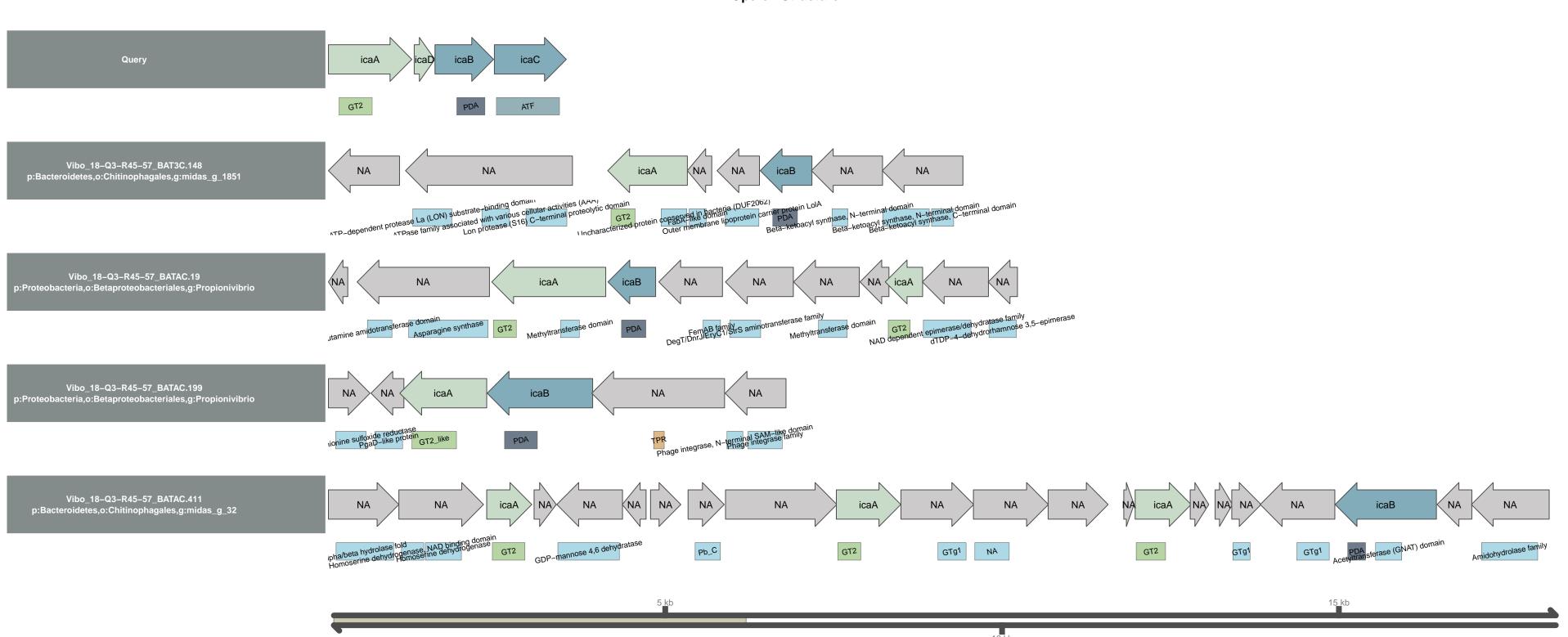


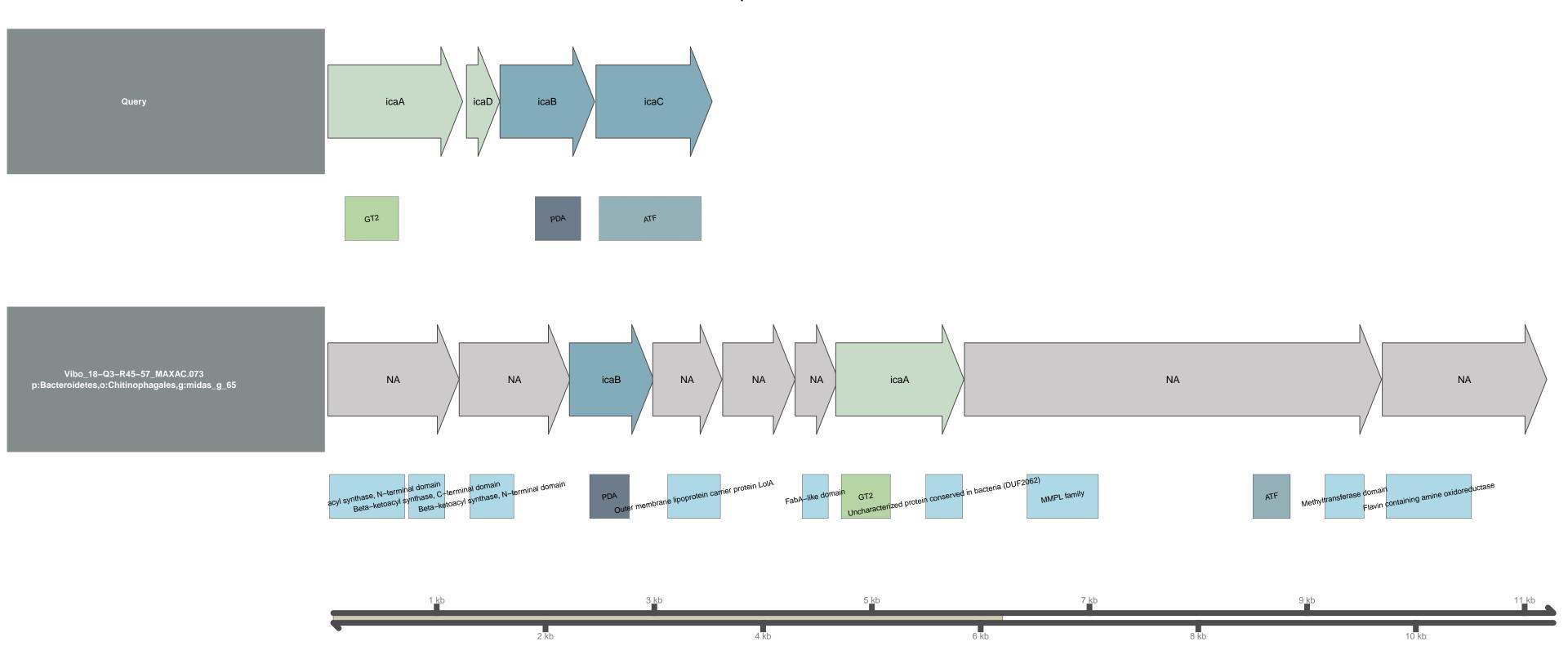












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2	AalE_18-Q3-R2-46_BAT3C.189_B	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_225	tig00006033-10-1929260	132344	icaA	02138
3	AalE_18-Q3-R2-46_BAT3C.235	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig01009788-10-515940	6681	icaA	05210
4	AalE_18-Q3-R2-46_BAT3C.357	NA,NA,NA	tig00029814-10-182340	17676	СВ	02370
5	AaIE_18-Q3-R2-46_MAXAC.133	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00000473-10-14677400	265315	icaA	00219
6	AalW_18-Q3-R10-53_BAT3C.461	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00009994-10-3040060	248767	icaA	04212
7	AalW_18-Q3-R10-53_BATAC.16	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_385	tig00000385-10-13536900	870941	icaA	02990
8	AalW_18-Q3-R10-53_BATAC.41	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_992	tig00002970-10-7907830	455935	icaA	00444
9	Aved_18-Q3-R54-62_BATAC.266	p:Bacteroidetes,o:Chitinophagales,g:midas_g_65	tig00373071-10-30212060	2542574	icaA	03984
10	Aved_18-Q3-R54-62_BATAC.321_sub	p:Proteobacteria,o:Betaproteobacteriales,g:Sphaerotilus	tig00025397-10-1346360	107890	icaA	02312
11	Aved_18-Q3-R54-62_BATAC.645_sub	p:Proteobacteria,o:Pseudomonadales,g:Agitococcus_lubricus_group	tig01608697-10-2107820	44484	icaA	02828
12	Aved_18-Q3-R54-62_BATAC.843	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00000726-10-21197290	47562	icaA	00038
13	Aved_18-Q3-R54-62_BATAC.851	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00003571-10-6372010	220785	icaA	02790
14	Aved_18-Q3-R54-62_MAXAC.126	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00004441-10-6364520	276830	icaA	02890
15	Aved_18-Q3-R54-62_MAXAC.248_sub	p:Actinobacteria,o:Kineosporiales,g:midas_g_327	tig00005456-10-5182910	320925	icaA	04068
16	Aved_18-Q3-R54-62_MAXAC.297	p:Bacteroidetes,o:SJA-28,g:midas_g_31	tig00008919-10-4700140	263554	icaA	01792
17	Bjer_18-Q3-R1-45_BAT3C.224	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_385	tig00000714-10-11330210	483244	icaA	02319
18	Bjer_18-Q3-R1-45_BATAC.331	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_3838	tig00003981-10-4282820	271241	icaA	00268
19	Bjer_18-Q3-R1-45_BATAC.43	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_300	tig00858158-10-2205830	97954	icaA	03735
20	Bjer_18-Q3-R1-45_MAXAC.011	p:Proteobacteria,o:Betaproteobacteriales,g:Sulfuritalea	tig00199983-10-9104530	703254	icaA	01939
21	Bjer_18-Q3-R1-45_MAXAC.014	p:Proteobacteria,o:Betaproteobacteriales,g:Sulfuritalea	tig00013944-10-761410	20370	icaA	03047
22	Bjer_18-Q3-R1-45_MAXAC.090	p:Ca_Fermentibacterota,o:midas_o_753,g:midas_g_753	tig00000439-10-26518310	2006414	icaA	01690
23	Bjer_18-Q3-R1-45_MAXAC.114	p:Spirochaetes,o:Leptospirales,g:Leptospira	tig00005683-10-1103120	79775	icaA	03211
24	Damh_18-Q3-R51-60_BATAC.249	p:Bacteroidetes,o:Chitinophagales,g:midas_g_108	tig00008541-10-1019230	21785	icaA	01228
25	Damh_18-Q3-R51-60_MAXAC.107_A	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_1061	tig00002485-10-2405980	204559	icaA	00763

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2	Damh_18-Q3-R51-60_MAXAC.126_sub	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_3846	tig00020890-10-319300	4705	icaA	02789
3	Ega_18-Q3-R5-49_BAT3C.215	p:Bacteroidetes,o:Chitinophagales,g:midas_g_65	tig00000219-10-17099480	968419	icaA	00778
4	Ega_18-Q3-R5-49_BAT3C.230	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_225	tig00000253-10-13173290	1296776	icaA	01059
5	Ega_18-Q3-R5-49_BATAC.239_A	p:Proteobacteria,o:midas_o_26,g:midas_g_523	tig00001202-10-4363950	346172	icaA	00342
6	Ega_18-Q3-R5-49_BATAC.239_B	p:Proteobacteria,o:midas_o_26,g:midas_g_523	tig00002446-10-2838800	42163	icaA	00822
7	Ega_18-Q3-R5-49_MAXAC.071	p:Proteobacteria,o:Betaproteobacteriales,g:Propionivibrio	tig00032782-10-526310	37342	icaA	02833
8	Ejby_18-Q3-R6-50_BAT3C.203	p:Actinobacteria,o:Micrococcales,g:midas_g_724	tig00214211-10-16152460	503168	icaA	02215
9	Ejby_18-Q3-R6-50_BAT3C.80	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00003915-10-2303560	36274	icaA	02091
10	Ejby_18-Q3-R6-50_BATAC.337	p:Proteobacteria,o:Betaproteobacteriales,g:Piscinibacter	tig00000693-10-7110010	187328	icaA	00161
11	Ejby_18-Q3-R6-50_BATAC.338	p:Ca_Fermentibacterota,o:midas_o_753,g:midas_g_753	tig00005712-10-1957820	12584	icaA	01450
12	Ejby_18-Q3-R6-50_MAXAC.023	p:Bacteroidetes,o:Chitinophagales,g:midas_g_108	tig00004309-10-1782560	134921	icaA	00454
13	EsbE_18-Q3-R3-47_BAT3C.110	p:Proteobacteria,o:Syntrophobacterales,g:midas_g_134	tig00004325-10-2346120	138740	icaA	02225
14	EsbE_18-Q3-R3-47_BAT3C.226	p:Nitrospirae,o:Nitrospirales,g:Nitrospira	tig00008291-10-1106160	105214	icaA	03448
15	EsbE_18-Q3-R3-47_MAXAC.031_sub	p:Chloroflexi,o:Anaerolineales,g:Ca_Villigracilis	tig00001625-10-805680	54712	icaA	00062
16	EsbE_18-Q3-R3-47_MAXAC.074	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_385	tig00010249-10-850390	71445	icaA	03623
17	EsbE_18-Q3-R3-47_MAXAC.085	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00000236-10-21381660	1574717	icaA	01523
18	EsbW_18-Q3-R4-48_BAT3C.148	p:Bacteroidetes,o:Chitinophagales,g:midas_g_1328	tig00251293-10-3984020	356186	icaA	03475
19	EsbW_18-Q3-R4-48_BAT3C.194	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00003338-10-6811220	646617	icaA	00537
20	EsbW_18-Q3-R4-48_BAT3C.288	p:Actinobacteria,o:Kineosporiales,g:midas_g_327	tig00004106-10-5054060	64122	icaA	01542
21	EsbW_18-Q3-R4-48_BAT3C.307	p:Bacteroidetes,o:Bacteroidales,g:midas_g_3337	tig00250445-10-19376960	674100	icaA	02339
22	EsbW_18-Q3-R4-48_BATAC.168	p:Bacteroidetes,o:Ignavibacteriales,g:midas_g_179	tig00250404-10-13725210	155948	icaA	02163
23	EsbW_18-Q3-R4-48_MAXAC.012_A	p:Nitrospirae,o:Nitrospirales,g:Nitrospira	tig00000127-10-30891270	1440185	icaA	01478
24	EsbW_18-Q3-R4-48_MAXAC.012_B	p:Nitrospirae,o:Nitrospirales,g:Nitrospira	tig00000864-10-8618410	773632	icaA	04189
25	EsbW_18-Q3-R4-48_MAXAC.021	p:Chloroflexi,o:Anaerolineales,g:Ca_Villigracilis	tig00020341-10-335180	21824	icaA	02044

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1	EsbW_18-Q3-R4-48_MAXAC.044	p:Proteobacteria,o:Betaproteobacteriales,g:Ca_Accumulibacter	tig01107798-10-2245570	117771	icaA	04462
2	EsbW_18-Q3-R4-48_MAXAC.047	p:Cyanobacteria,o:Obscuribacterales,g:Ca_Obscuribacter	tig00021461-10-174210	5663	icaA	05925
3	EsbW_18-Q3-R4-48_MAXAC.084	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00250621-10-14217161416	539694	icaA	02874
4	EsbW_18-Q3-R4-48_MAXAC.089	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00000105-10-26971300	1568484	icaA	01515
5	Fred_18-Q3-R57-64_BAT3C.6	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig01546545-10-26760560	1940970	icaA	03447
6	Fred_18-Q3-R57-64_BAT3C.701	p:Proteobacteria,o:Myxococcales,g:midas_g_5683	tig00002470-10-11917410	468252	icaA	00429
7	Fred_18-Q3-R57-64_BATAC.299	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00007168-10-4655090	183521	icaA	03070
8	Fred_18-Q3-R57-64_BATAC.480	p:Actinobacteria,o:Kineosporiales,g:midas_g_327	tig01546779-10-5981460	169179	icaA	04772
9	Fred_18-Q3-R57-64_BATAC.644	p:Proteobacteria,o:Oceanospirillales,g:Halomonas	tig00000788-10-24304590	11682	icaA	00012
10	Fred_18-Q3-R57-64_BATAC.76	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00352672-10-3356390	211415	icaA	05060
11	Fred_18-Q3-R57-64_MAXAC.027	p:Proteobacteria,o:Betaproteobacteriales,g:Ca_Accumulibacter	tig00351383-10-3762090	224662	icaA	03689
12	Fred_18-Q3-R57-64_MAXAC.287	p:Proteobacteria,o:Competibacterales,g:Ca_Competibacter	tig01546643-10-5313960	370598	icaA	04345
13	Fred_18-Q3-R57-64_MAXAC.292_A	p:Proteobacteria,o:Ectothiorhodospirales,g:Thioalkalispira	tig00005391-10-5845880	138635	icaA	01549
14	Fred_18-Q3-R57-64_MAXAC.292_B	p:Proteobacteria,o:Ectothiorhodospirales,g:Thioalkalispira	tig00005391-10-5845880	381979	icaA	01770
15	Fred_18-Q3-R57-64_MAXAC.330_cln	p:Planctomycetes,o:Phycisphaerales,g:SM1A02	tig00000055-10-33509940	2629474	icaA	02159
16	Fred_18-Q3-R57-64_MAXAC.344	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_225	tig00000591-10-23971360	2244321	icaA	01902
17	Fred_18-Q3-R57-64_MAXAC.370	p:Bacteroidetes,o:Chitinophagales,g:midas_g_1914	tig00019043-10-1078140	45679	icaA	03671
18	Fred_18-Q3-R57-64_MAXAC.379	p:Firmicutes,o:Bacillales,g:Staphylococcus	tig00350858-10-25518060	1871919	icaA	02037
19	Hade_18-Q3-R52-61_BAT3C.141	p:Bacteroidetes,o:Chitinophagales,g:midas_g_65	tig00406178-10-51613330	1539372	icaA	01293
20	Hade_18-Q3-R52-61_BATAC.14	p:Proteobacteria,o:Pseudomonadales,g:Pseudomonas	tig00035928-10-409280	30139	icaA	02495
21	Hade_18-Q3-R52-61_BATAC.255	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_843	tig00015650-10-654040	7632	icaA	00686
22	Hade_18-Q3-R52-61_BATAC.287	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00002277-10-6540280	132979	icaA	00684
23	Hade_18-Q3-R52-61_BATAC.311	p:Proteobacteria,o:Pseudomonadales,g:Agitococcus_lubricus_group	tig00046256-10-410070	4441	icaA	01479
24	Hade_18-Q3-R52-61_BATAC.316	p:Proteobacteria,o:Betaproteobacteriales,g:midas_g_190	tig00000808-10-11321960	928929	icaA	00828
25	Hade_18-Q3-R52-61_BATAC.452	p:Proteobacteria,o:Betaproteobacteriales,g:Ellin6067	tig00000768-10-11872970	1013006	icaA	02975

	ID2	plot_tax	seqname	start	Query_label	ProkkaNO
1	Hade_18-Q3-R52-61_BATAC.726	p:Proteobacteria,o:Betaproteobacteriales,g:Ca_Accumulibacter	tig00035480-10-796120	17742	icaA	02527
2	Hade_18-Q3-R52-61_MAXAC.023	p:Nitrospirae,o:Nitrospirales,g:Nitrospira	tig01675009-10-1773000	107829	icaA	04313
3	Hade_18-Q3-R52-61_MAXAC.042	p:Chloroflexi,o:Anaerolineales,g:Ca_Villigracilis	tig00407603-10-1232450	96508	icaA	03299
4	Hirt_18-Q3-R61-65_BATAC.72	p:Bacteroidetes,o:SJA-28,g:midas_g_31	tig00007568-10-3761280	329483	icaA	02469
5	Hirt_18-Q3-R61-65_MAXAC.111	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig01347732-10-21894770	274735	icaA	02520
6	Hirt_18-Q3-R61-65_MAXAC.229	p:Proteobacteria,o:Myxococcales,g:Haliangium	tig00008943-10-2562490	92955	icaA	03778
7	Hirt_18-Q3-R61-65_MAXAC.366	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_434	tig00005620-10-4484140	303865	icaA	03171
8	Hjor_18-Q3-R7-51_BATAC.2	p:Proteobacteria,o:Competibacterales,g:Ca_Contendobacter	tig00001945-10-6504960	81531	icaA	00228
9	Hjor_18-Q3-R7-51_BATAC.80	p:Proteobacteria,o:Betaproteobacteriales,g:midas_g_454	tig00005902-10-1512760	6428	icaA	02681
10	Hjor_18-Q3-R7-51_MAXAC.072	p:Proteobacteria,o:Betaproteobacteriales,g:Propionivibrio	tig00004100-10-2635310	248481	icaA	00747
11	Kalu_18-Q3-R12-55_BAT3C.130	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_225	tig00000285-10-36554120	3098291	icaA	02525
12	Kalu_18-Q3-R12-55_BAT3C.140	p:Planctomycetes,o:mle1-8,g:midas_g_1686	tig00000016-10-42368670	2451659	icaA	01969
13	Kalu_18-Q3-R12-55_BAT3C.208	p:Proteobacteria,o:Ectothiorhodospirales,g:Thioalkalispira	tig00000943-10-15208620	284338	icaA	00281
14	Kalu_18-Q3-R12-55_BAT3C.355	p:Acidobacteria,o:Blastocatellales,g:JGI.fa	tig00100729-10-33526130	72838	icaA	00446
15	Kalu_18-Q3-R12-55_BATAC.81	p:Proteobacteria,o:Cellvibrionales,g:BD1-7_clade	tig00006239-10-856360	22142	icaA	02747
16	Kalu_18-Q3-R12-55_MAXAC.052_cln	p:Patescibacteria,o:Saccharimonadales,g:midas_g_6328	tig00000614-10-9151600	445091	icaA	00423
17	Kalu_18-Q3-R12-55_MAXAC.082	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_3813	tig00000265-10-469080	32782	icaA	00037
18	Kalu_18-Q3-R12-55_MAXAC.123	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00002634-10-3925280	237623	icaA	01890
19	Kalu_18-Q3-R12-55_MAXAC.185_cln	p:Acidobacteria,o:Blastocatellales,g:JGI.fa	tig00000010-10-44899860	420258	icaA	00349
20	Kalu_18-Q3-R12-55_MAXAC.198_cln	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00000005-10-63322080	2159207	icaA	01617
21	Lyne_18-Q3-R50-59_BAT3C.242	p:Proteobacteria,o:midas_o_26,g:Acidibacter	tig01430999-10-570350	39824	icaA	03870
22	Lyne_18-Q3-R50-59_BATAC.420	p:Actinobacteria,o:Micrococcales,g:midas_g_724	tig00000369-10-34189540	2022188	icaA	01843
23	Lyne_18-Q3-R50-59_MAXAC.025	p:Bacteroidetes,o:Chitinophagales,g:midas_g_108	tig01437854-10-1574220	56318	icaA	03588
24	Lyne_18-Q3-R50-59_MAXAC.102	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00003330-10-7903560	278185	icaA	01509
25	Lyne_18-Q3-R50-59_MAXAC.253	p:Bacteroidetes,o:Chitinophagales,g:midas_g_1851	tig00021339-10-1260610	65025	icaA	01702

	ID2	plot_tax	seqname	start	Query_label	ProkkaNO
1	Lyne_18-Q3-R50-59_MAXAC.318	p:Proteobacteria,o:Oceanospirillales,g:Halomonas	tig00001263-10-14707330	1252244	icaA	01255
2	Mari_18-Q3-R65-66_BATAC.295	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00001489-10-6947240	196451	icaA	00907
3	OdNE_18-Q3-R46-58_BAT3C.305	p:Proteobacteria,o:Betaproteobacteriales,g:Dechloromonas	tig00228995-10-1949640	6815	icaA	03486
4	OdNE_18-Q3-R46-58_BAT3C.415	p:Proteobacteria,o:Betaproteobacteriales,g:Ca_Accumulibacter	tig00005627-10-3059890	249443	icaA	00721
5	OdNE_18-Q3-R46-58_BATAC.187	p:Proteobacteria,o:Betaproteobacteriales,g:Nitrotoga	tig00229050-10-2453050	233790	icaA	02900
6	OdNE_18-Q3-R46-58_BATAC.493	p:Elusimicrobia,o:MVP-88,g:midas_g_945	tig00013005-10-906310	49525	icaA	01612
7	OdNE_18-Q3-R46-58_MAXAC.025	p:Bacteroidetes,o:Chitinophagales,g:midas_g_108	tig00228609-10-1969470	61171	icaA	02888
8	OdNW_18-Q3-R42-56_BAT3C.137	p:Bacteroidetes,o:Flavobacteriales,g:midas_g_385	tig00000293-10-12102910	722621	icaA	01697
9	OdNW_18-Q3-R42-56_BAT3C.388	p:Ca_Fermentibacterota,o:midas_o_753,g:midas_g_753	tig00896689-10-23573170	387448	icaA	02182
10	OdNW_18-Q3-R42-56_BATAC.352	p:Bacteroidetes,o:Bacteroidales,g:midas_g_9344	tig00008329-10-1404640	22570	icaA	02896
11	OdNW_18-Q3-R42-56_MAXAC.037	p:Chloroflexi,o:Anaerolineales,g:Ca_Villigracilis	tig00004658-10-1584090	132509	icaA	01946
12	Rand_18-Q3-R56-63_BAT3C.236	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_992	tig00055196-10-154240	9846	icaA	03192
13	Rand_18-Q3-R56-63_BATAC.171	p:Proteobacteria,o:Betaproteobacteriales,g:midas_g_454	tig00005882-10-1386170	67499	icaA	02975
14	Rand_18-Q3-R56-63_BATAC.479	p:Bacteroidetes,o:Chitinophagales,g:midas_g_108	tig00811677-10-815530	24392	icaA	03236
15	Rand_18-Q3-R56-63_MAXAC.050	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_1247	tig00004609-10-1185470	45802	icaA	01603
16	Rand_18-Q3-R56-63_MAXAC.104	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_395	tig00004841-10-1679030	40422	icaA	02259
17	Rand_18-Q3-R56-63_MAXAC.181	p:Acidobacteria,o:11-24,g:midas_g_1424	tig00004216-10-1861320	53894	icaA	02528
18	Ribe_18-Q3-R11-54_BAT3C.183	p:Chloroflexi,o:Chloroflexales,g:midas_g_2775	tig00277703-10-3669230	194414	icaA	05800
19	Ribe_18-Q3-R11-54_BAT3C.208	NA,NA,NA	tig00038560-10-604220	60252	СВ	01189
20	Ribe_18-Q3-R11-54_BAT3C.3	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_487	tig00003264-10-2990120	44664	icaA	00826
21	Ribe_18-Q3-R11-54_BAT3C.373	p:Bacteroidetes,o:Chitinophagales,g:midas_g_65	tig00000645-10-20549120	531006	icaA	00518
22	Skiv_18-Q3-R9-52_BAT3C.167	p:Gemmatimonadetes,o:Gemmatimonadales,g:midas_g_764	tig00001347-10-10183340	506937	icaA	01293
23	Skiv_18-Q3-R9-52_BAT3C.378	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_487	tig00287935-10-5051020	404295	icaA	04162
24	Skiv_18-Q3-R9-52_BATAC.176	p:Proteobacteria,o:Betaproteobacteriales,g:Nitrotoga	tig00010298-10-2105180	173991	icaA	00570
25	Skiv_18-Q3-R9-52_BATAC.251	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_300	tig00000743-10-7448990	623483	icaA	00926

	ID2	plot_tax	seqname	start	Query_label	ProkkaNO
1	Skiv_18-Q3-R9-52_BATAC.52	p:Proteobacteria,o:Betaproteobacteriales,g:Piscinibacter	tig00007198-10-2887380	67317	icaA	01559
2	Skiv_18-Q3-R9-52_MAXAC.022	NA,NA,NA	tig00014800-10-1360260	-238	СВ	01846
3	Skiv_18-Q3-R9-52_MAXAC.035	p:Chloroflexi,o:Anaerolineales,g:Ca_Villigracilis	tig00288374-10-1689890	25493	icaA	04391
4	Skiv_18-Q3-R9-52_MAXAC.110	p:Ca_Fermentibacterota,o:midas_o_753,g:midas_g_753	tig00003286-10-5785960	401806	icaA	02352
5	Skiv_18-Q3-R9-52_MAXAC.287	p:Bacteroidetes,o:Sphingobacteriales,g:midas_g_283	tig00017952-10-763490	50436	icaA	03915
6	Skiv_18-Q3-R9-52_MAXAC.329	p:Bacteroidetes,o:Chitinophagales,g:midas_g_32	tig00003970-10-4942990	392725	icaA	03508
7	Vibo_18-Q3-R45-57_BAT3C.142	p:Proteobacteria,o:Pseudomonadales,g:Agitococcus_lubricus_group	tig00727947-10-3630760	309903	icaA	03133
8	Vibo_18-Q3-R45-57_BAT3C.148	p:Bacteroidetes,o:Chitinophagales,g:midas_g_1851	tig00006219-10-1553890	57709	icaA	02870
9	Vibo_18-Q3-R45-57_BATAC.19	p:Proteobacteria,o:Betaproteobacteriales,g:Propionivibrio	tig00013999-10-313260	21425	icaA	02876
)	Vibo_18-Q3-R45-57_BATAC.199	p:Proteobacteria,o:Betaproteobacteriales,g:Propionivibrio	tig00006229-10-1467280	30763	icaA	01086
1	Vibo_18-Q3-R45-57_BATAC.411	p:Bacteroidetes,o:Chitinophagales,g:midas_g_32	tig00007178-10-1135940	64340	icaA	03046
2	Vibo_18-Q3-R45-57_MAXAC.073	p:Bacteroidetes,o:Chitinophagales,g:midas_g_65	tig00177953-10-5481240	281286	icaA	04156