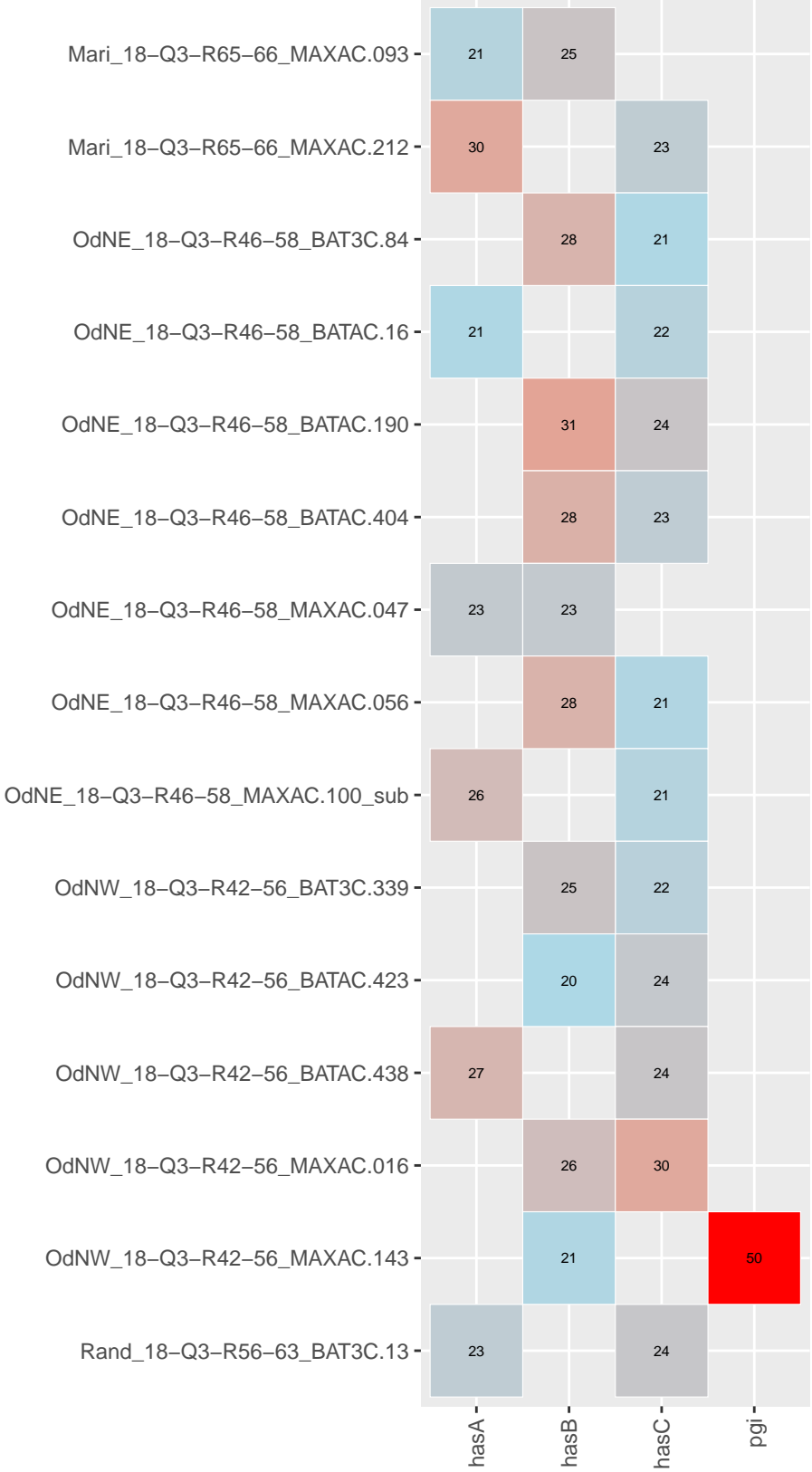
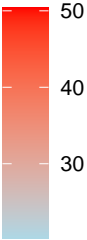


HA\_streptococcus Heatmap

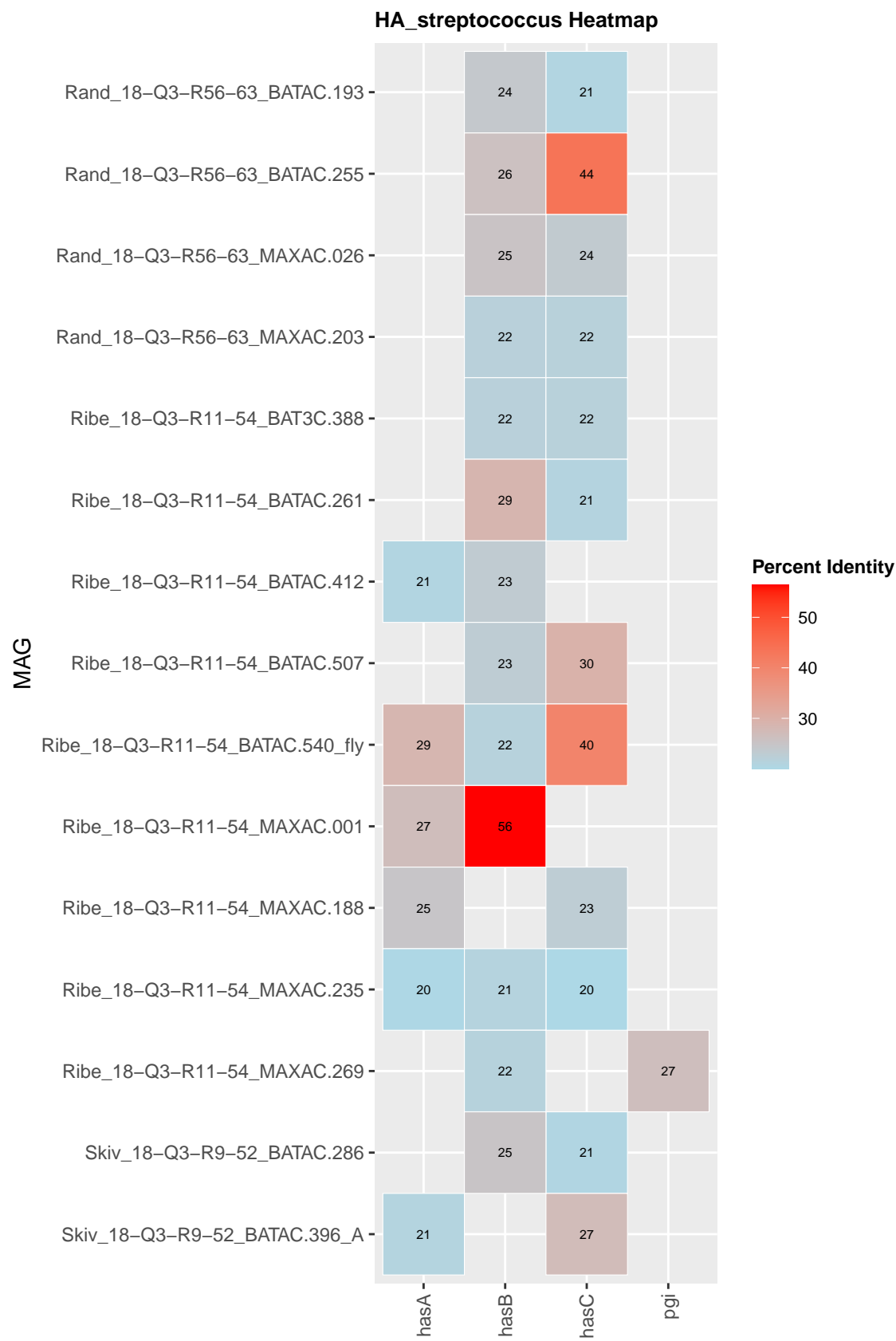
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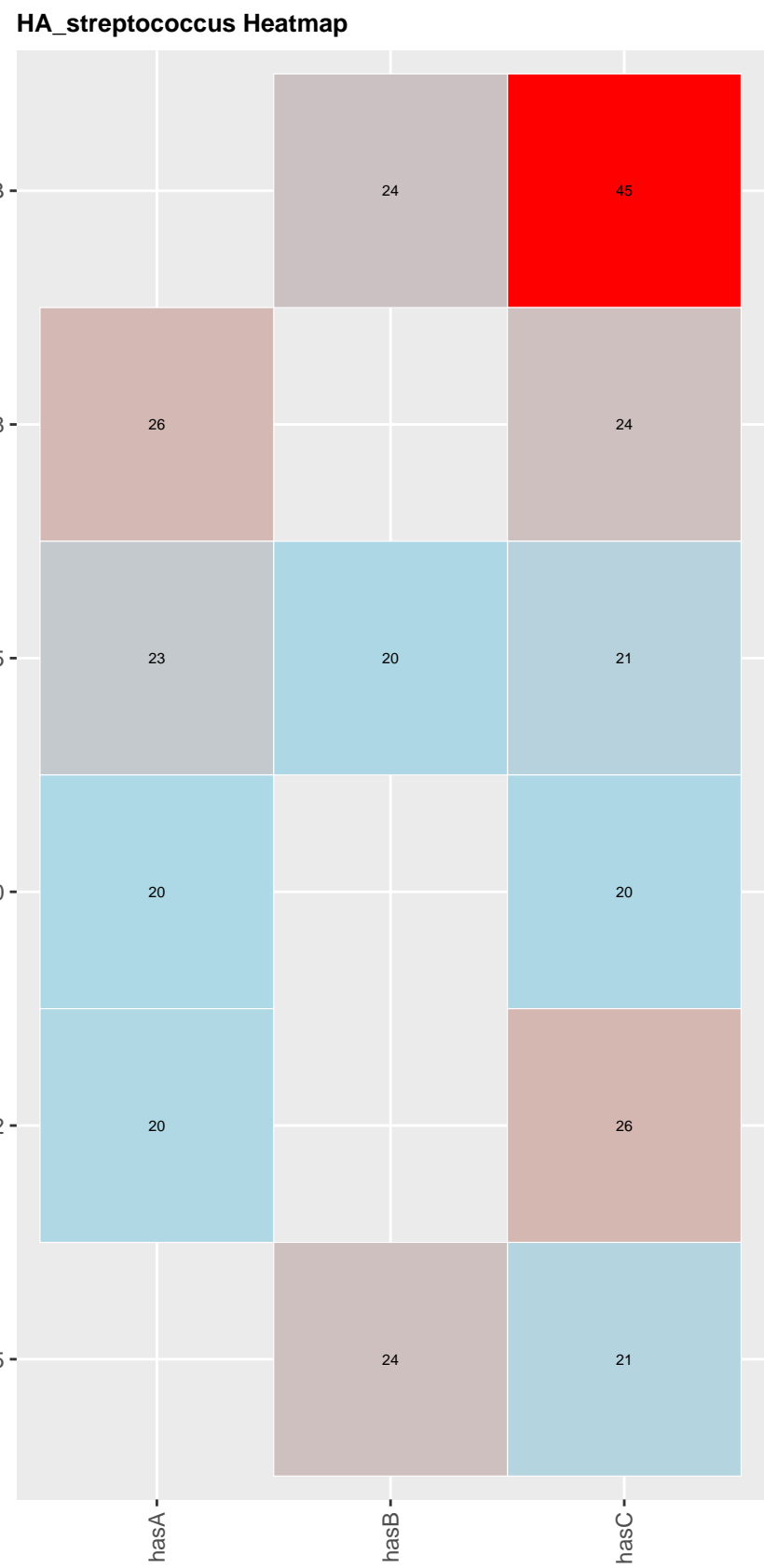


Percent Identity

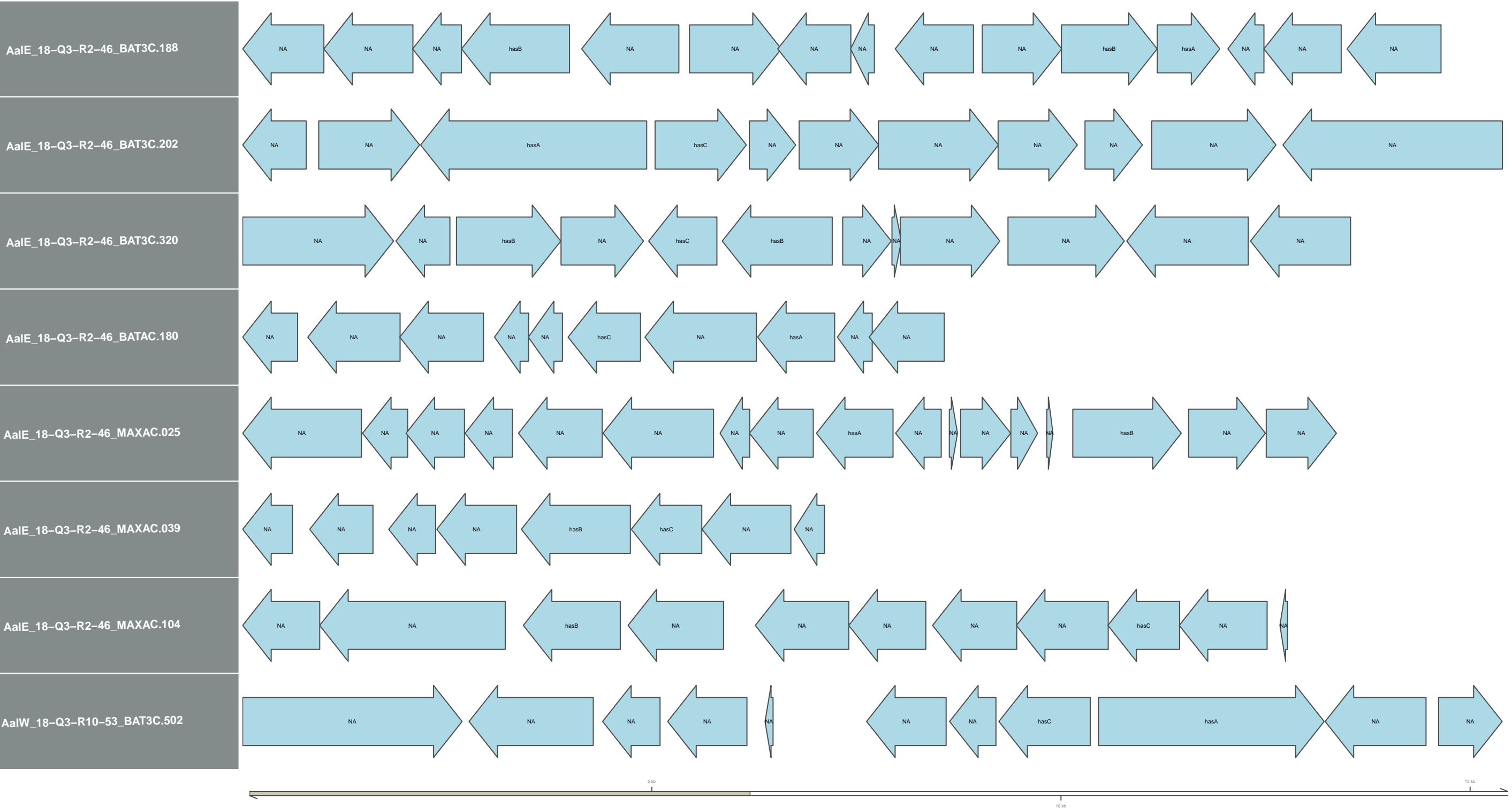




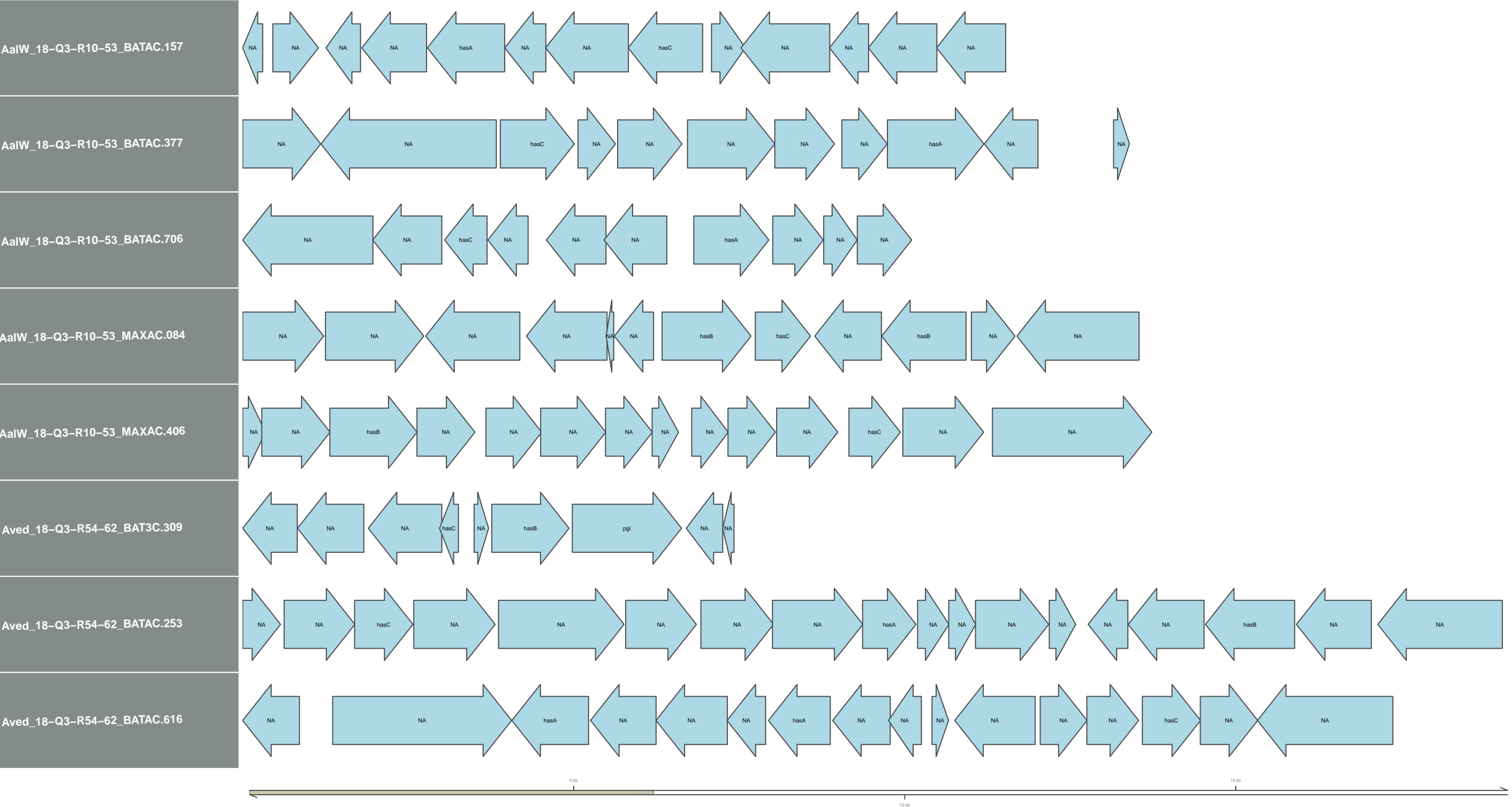




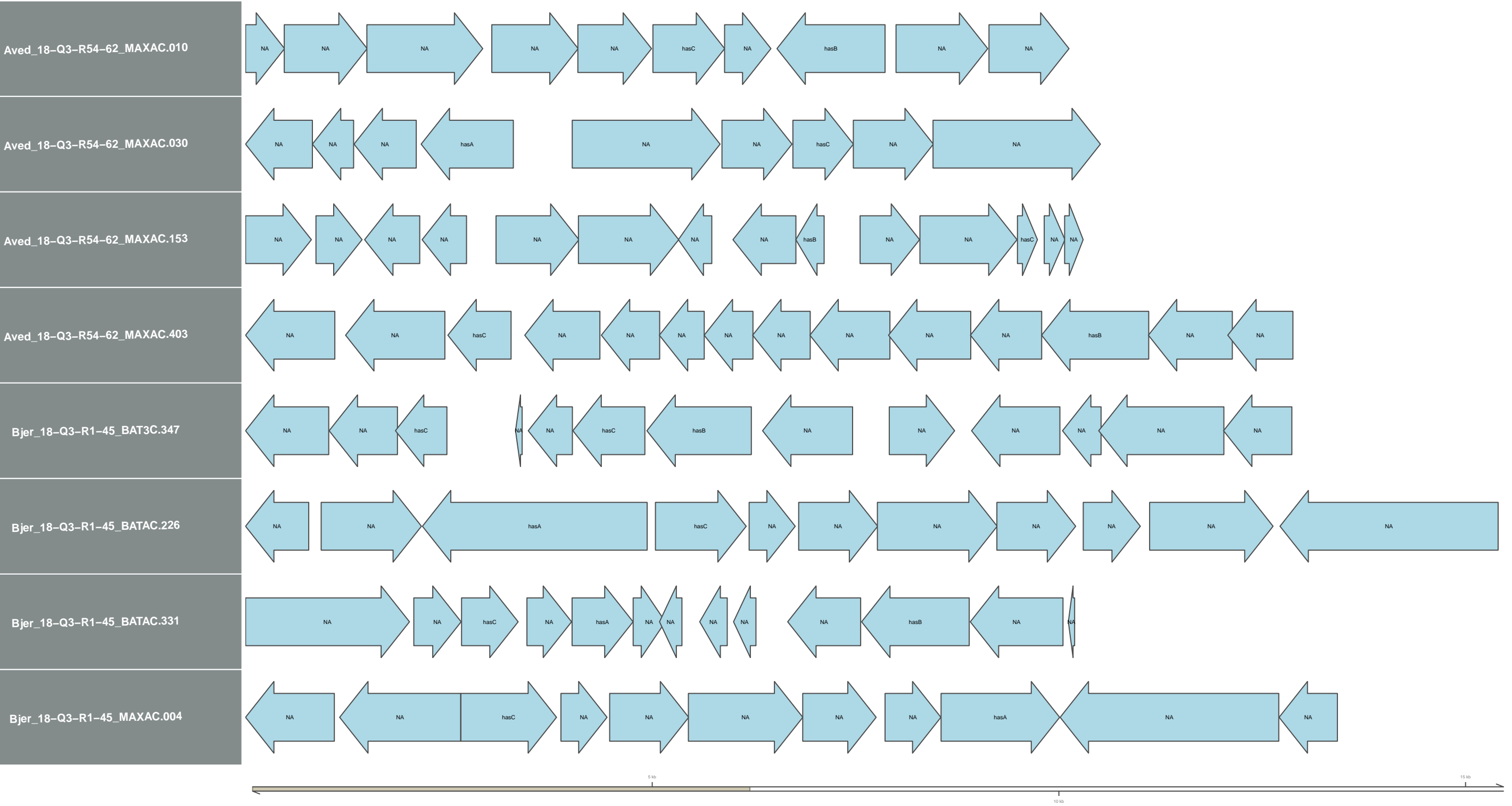
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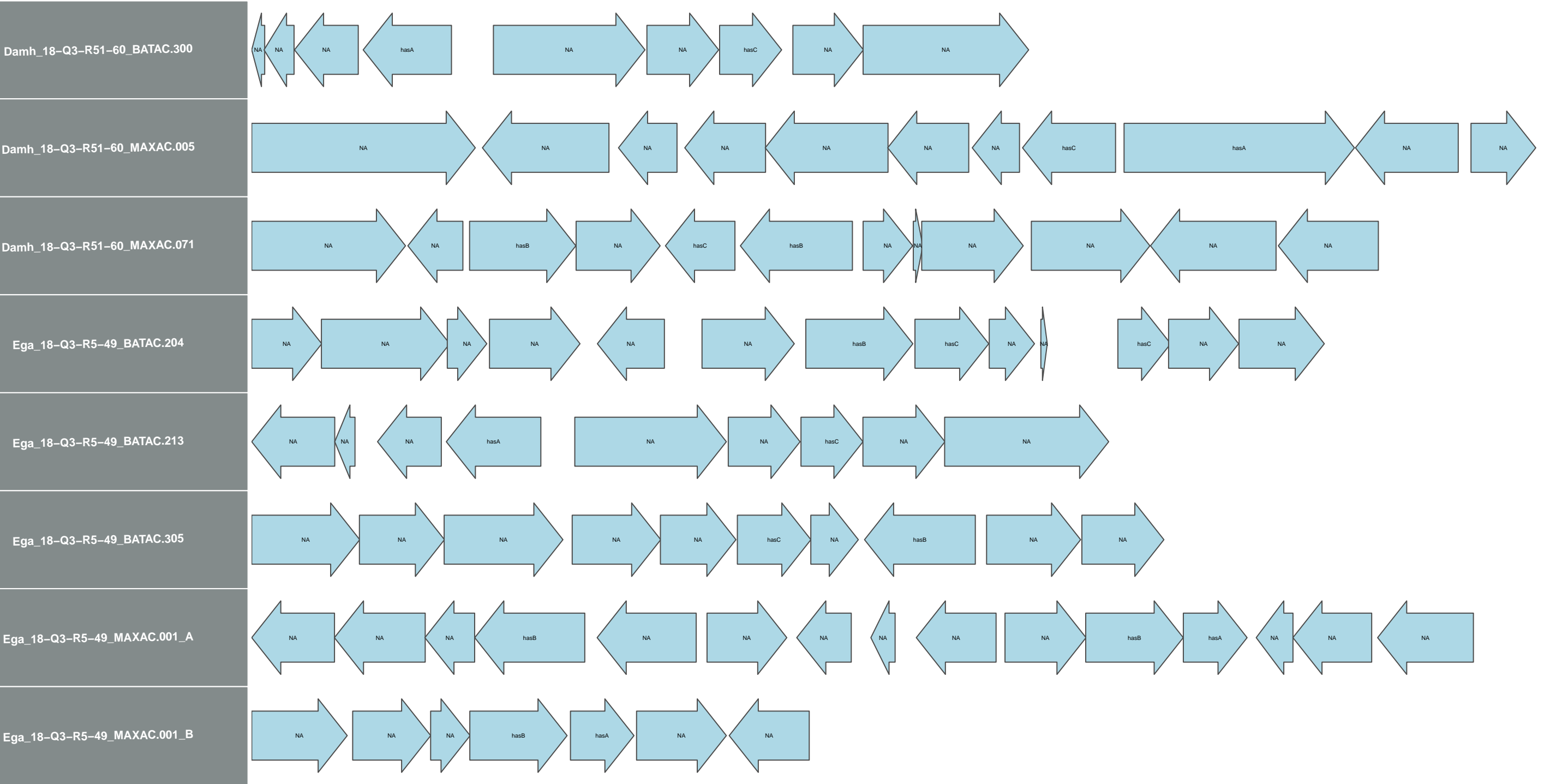
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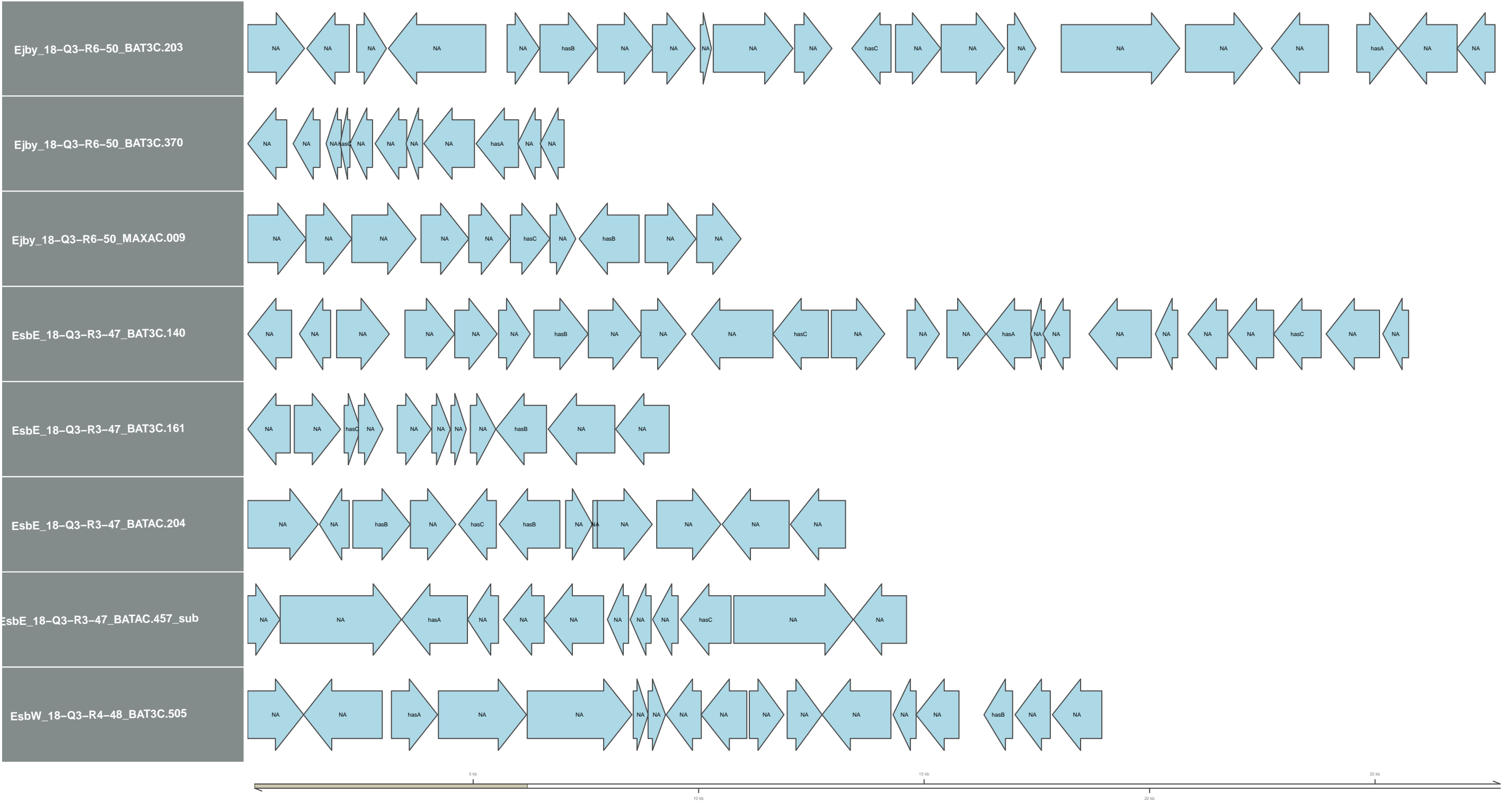
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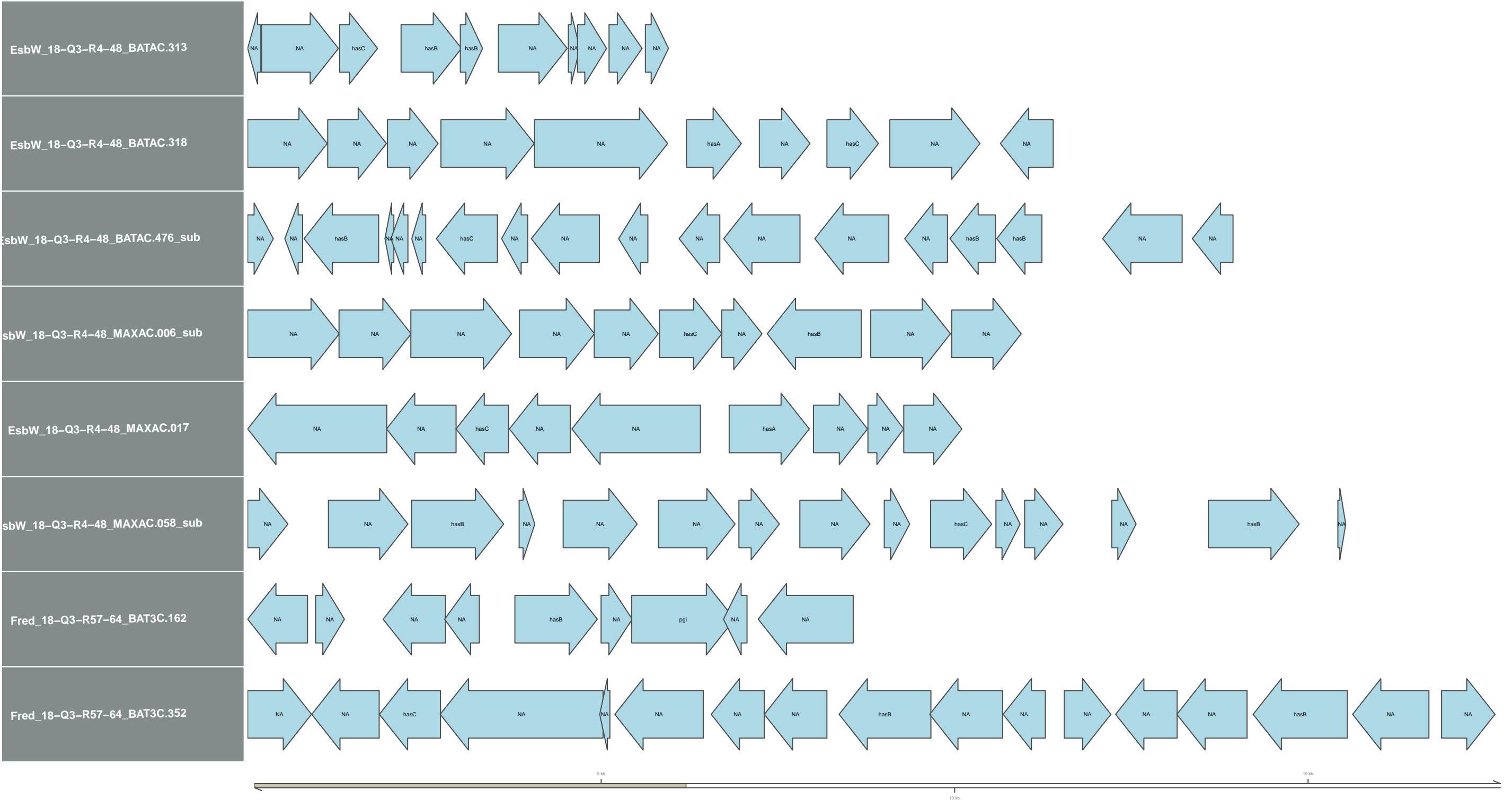
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HA\_streptococcus

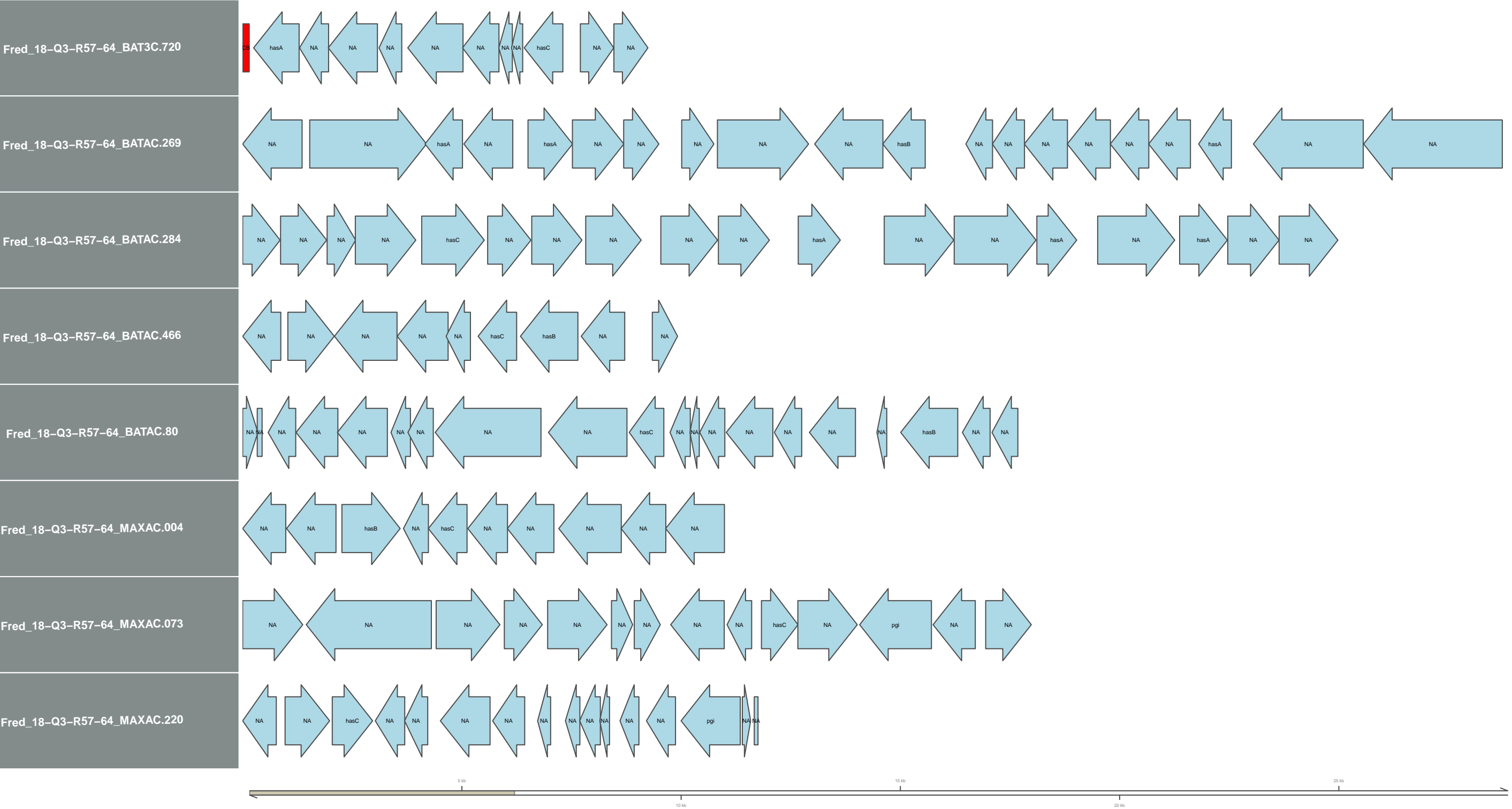


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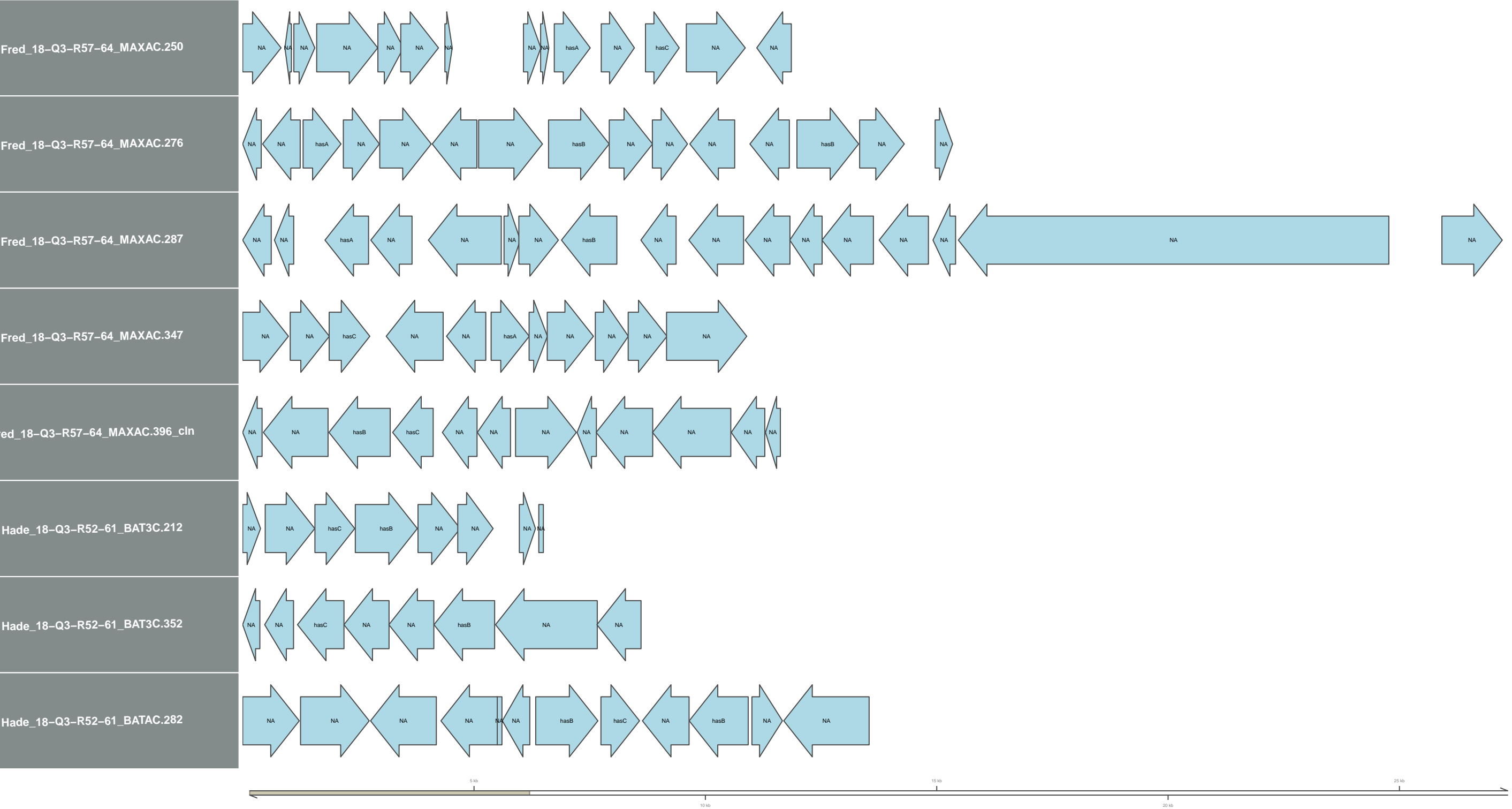




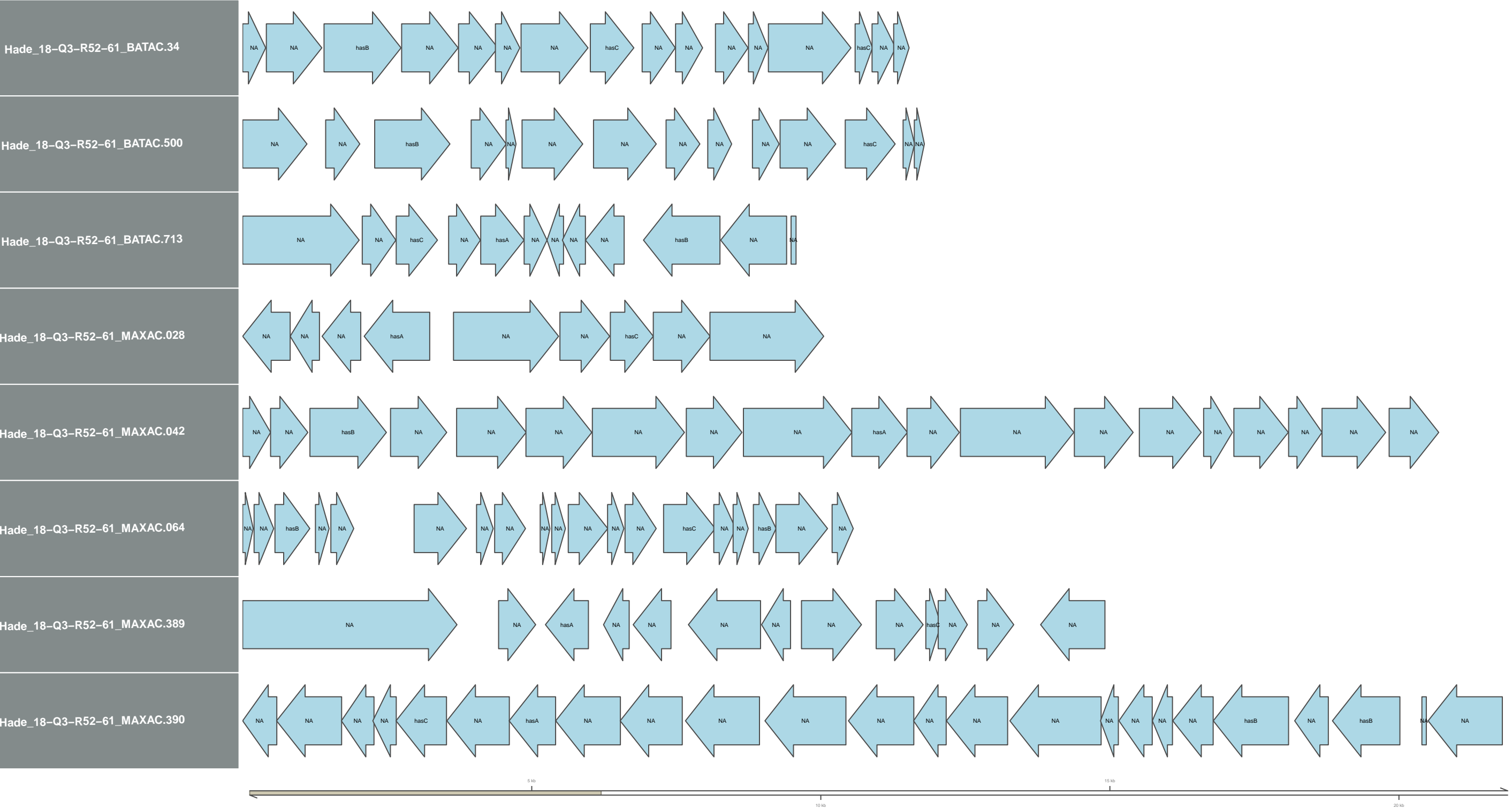
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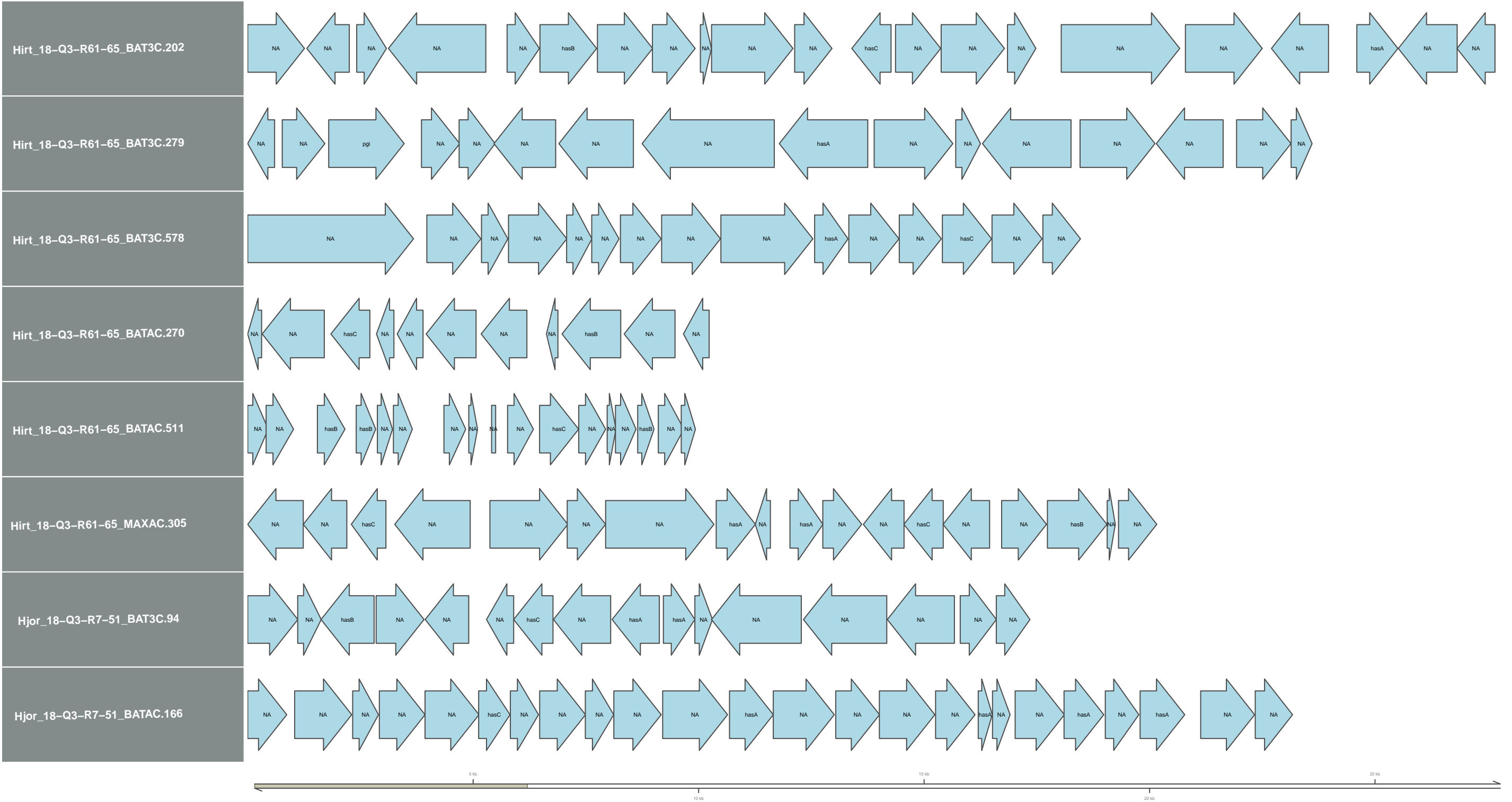
HA\_streptococcus



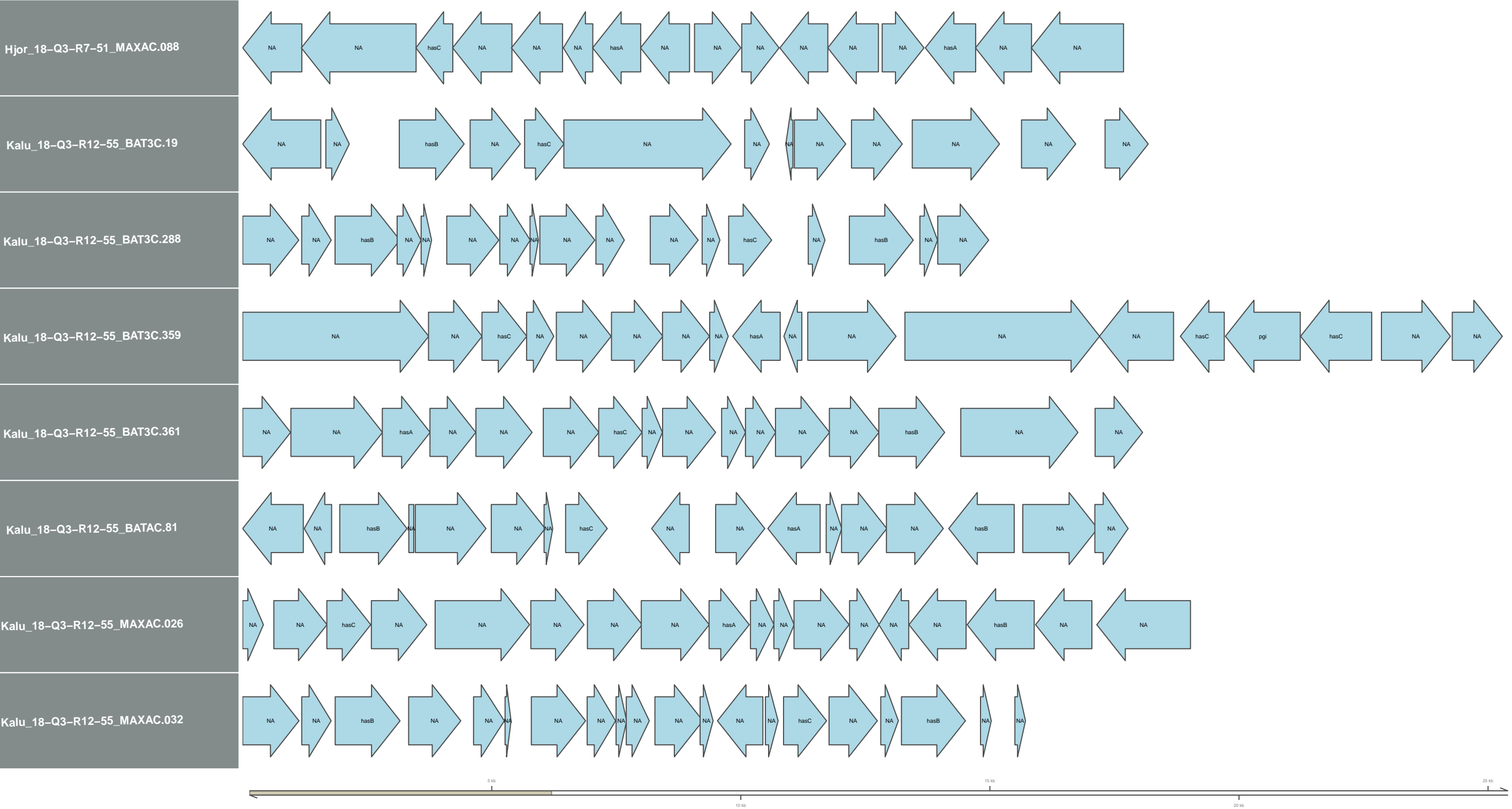
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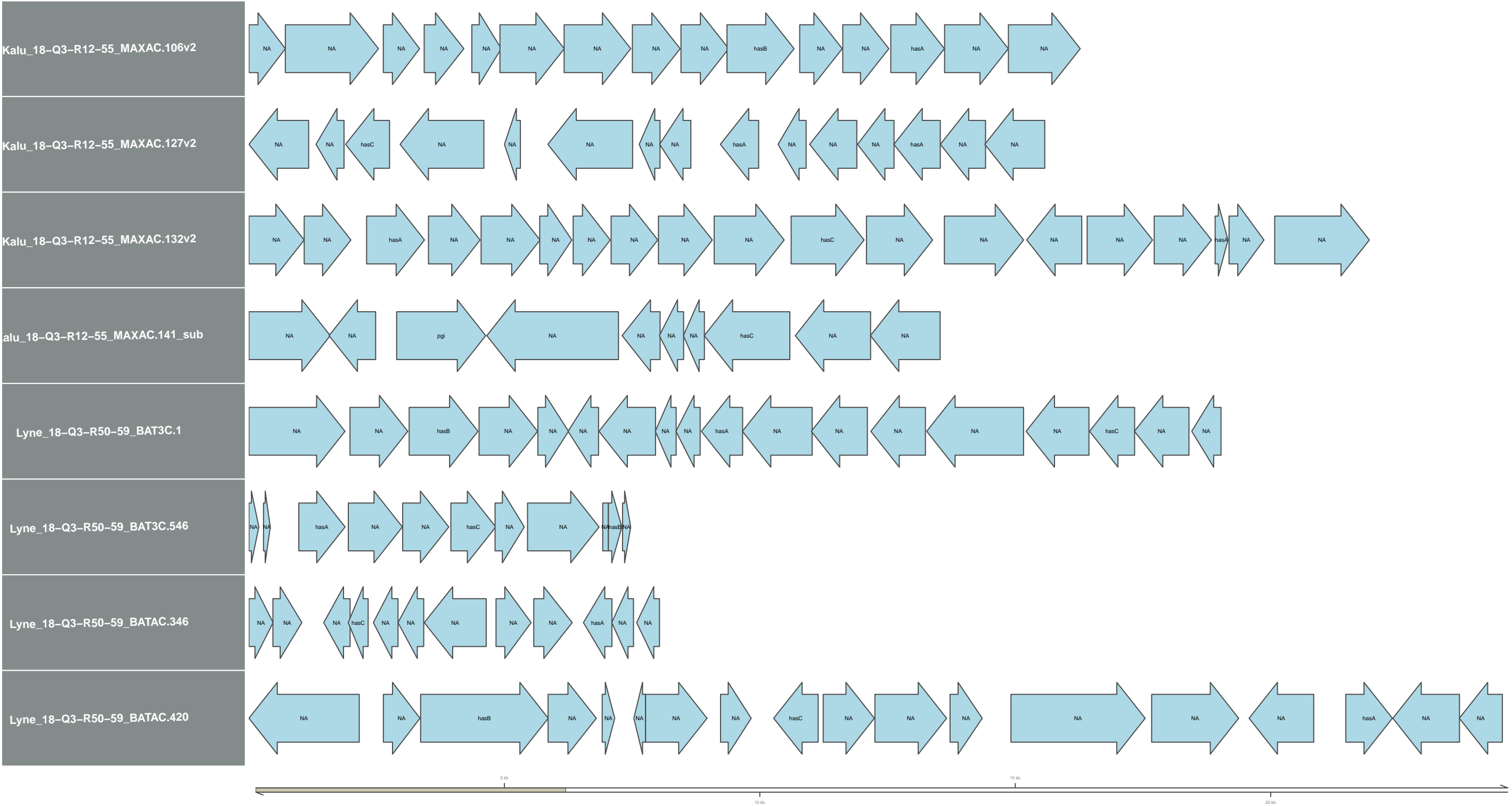
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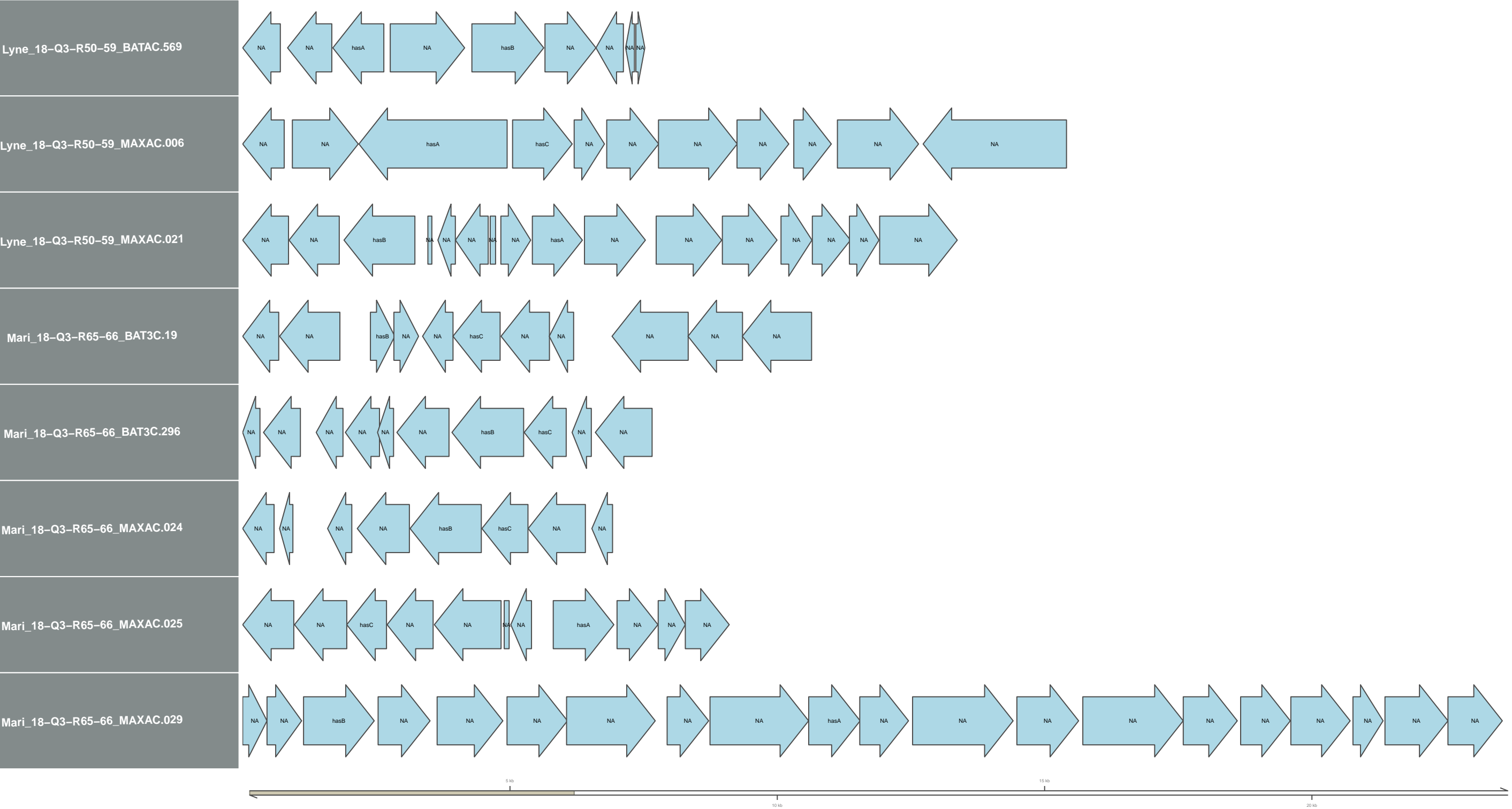
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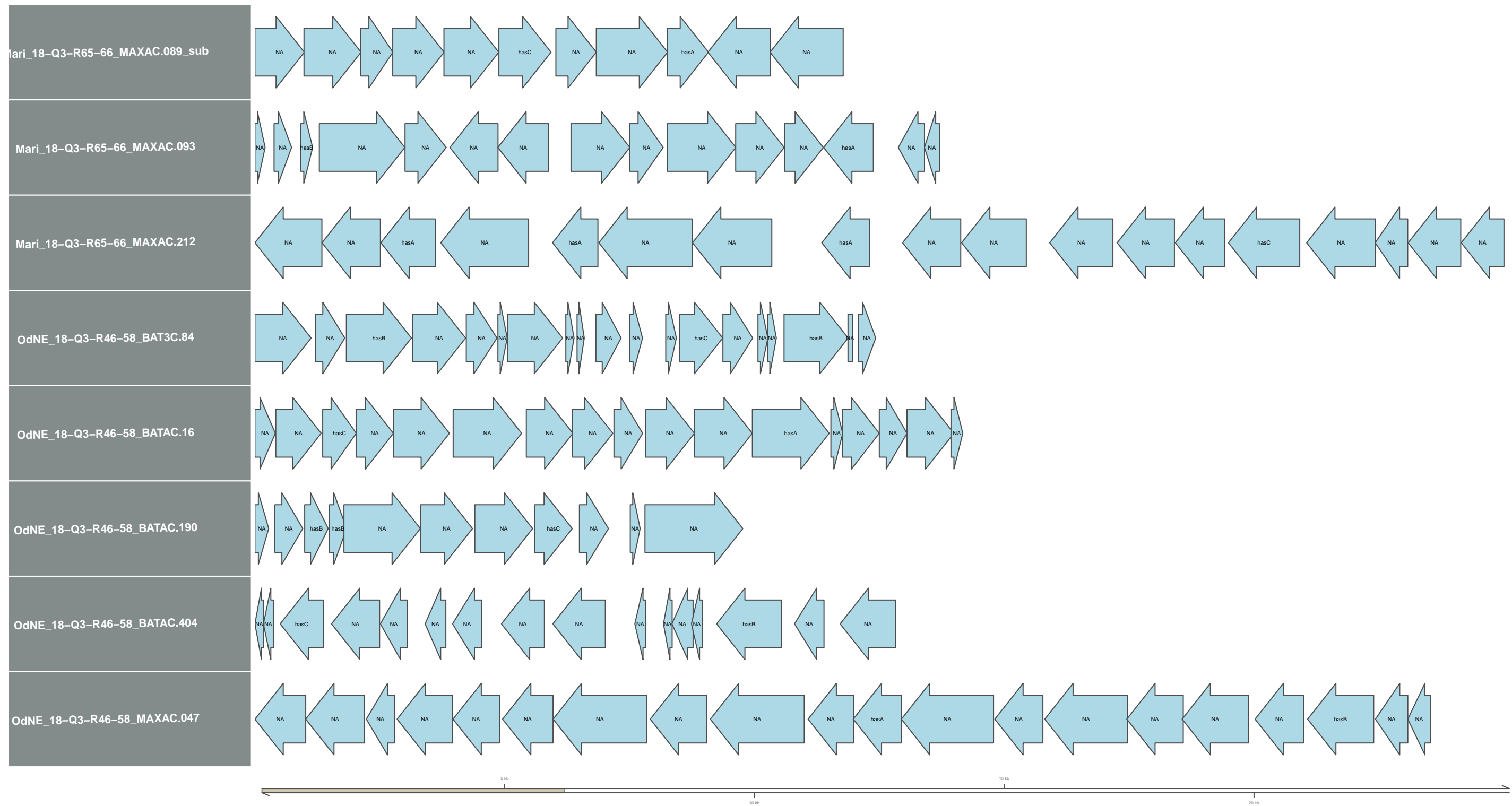
HA\_streptococcus



HA\_streptococcus

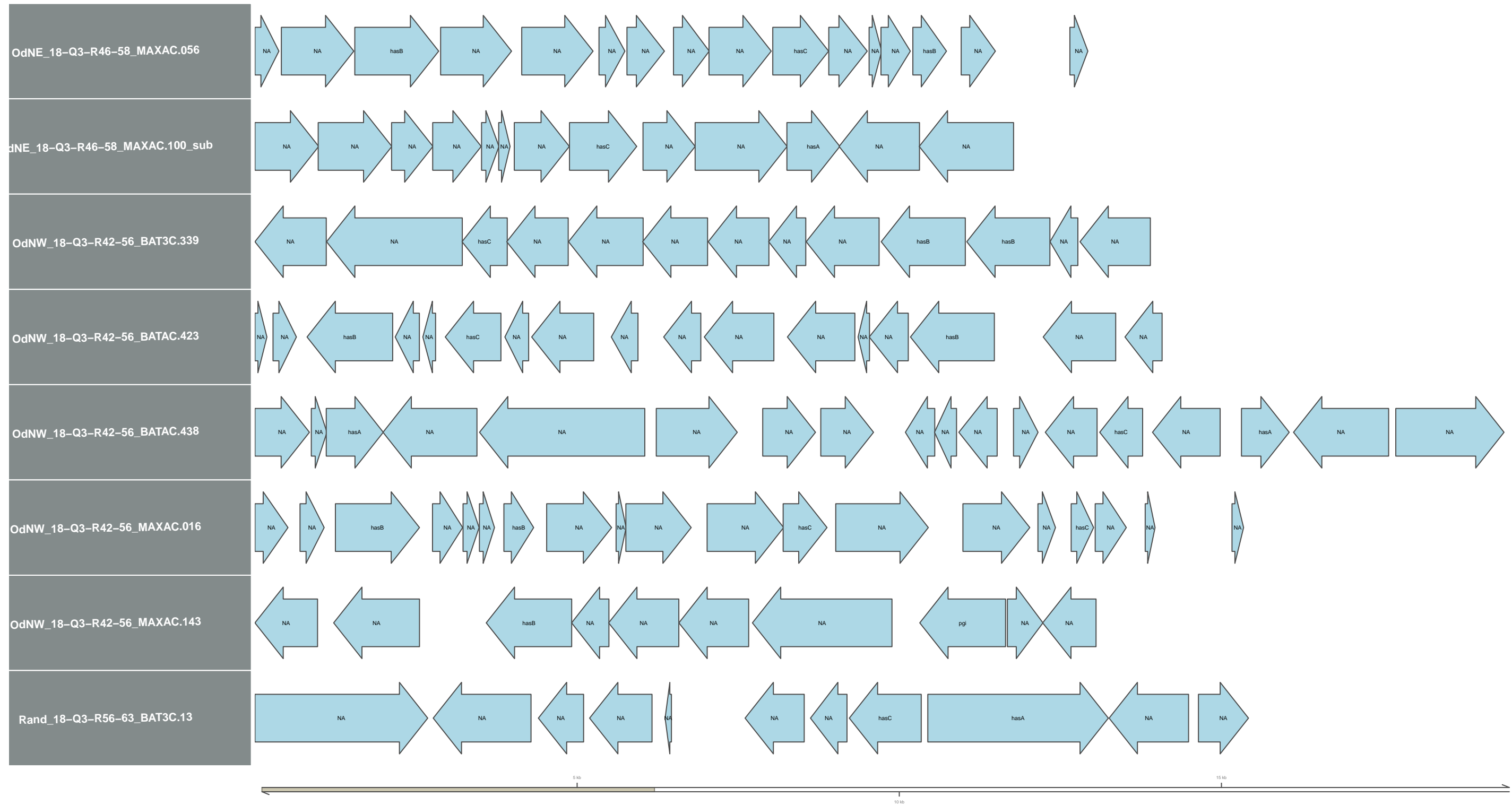


## HA\_streptococcus

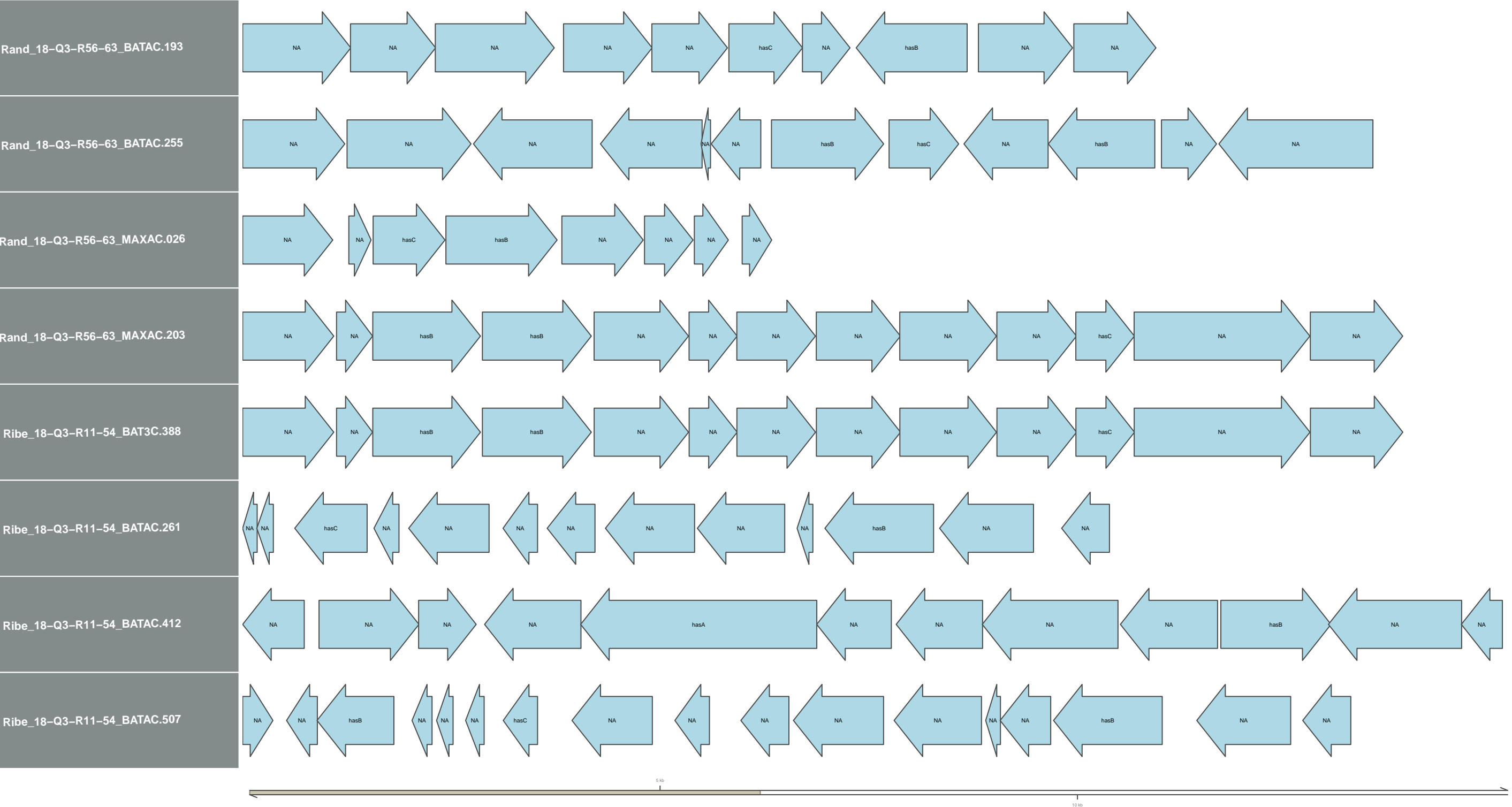




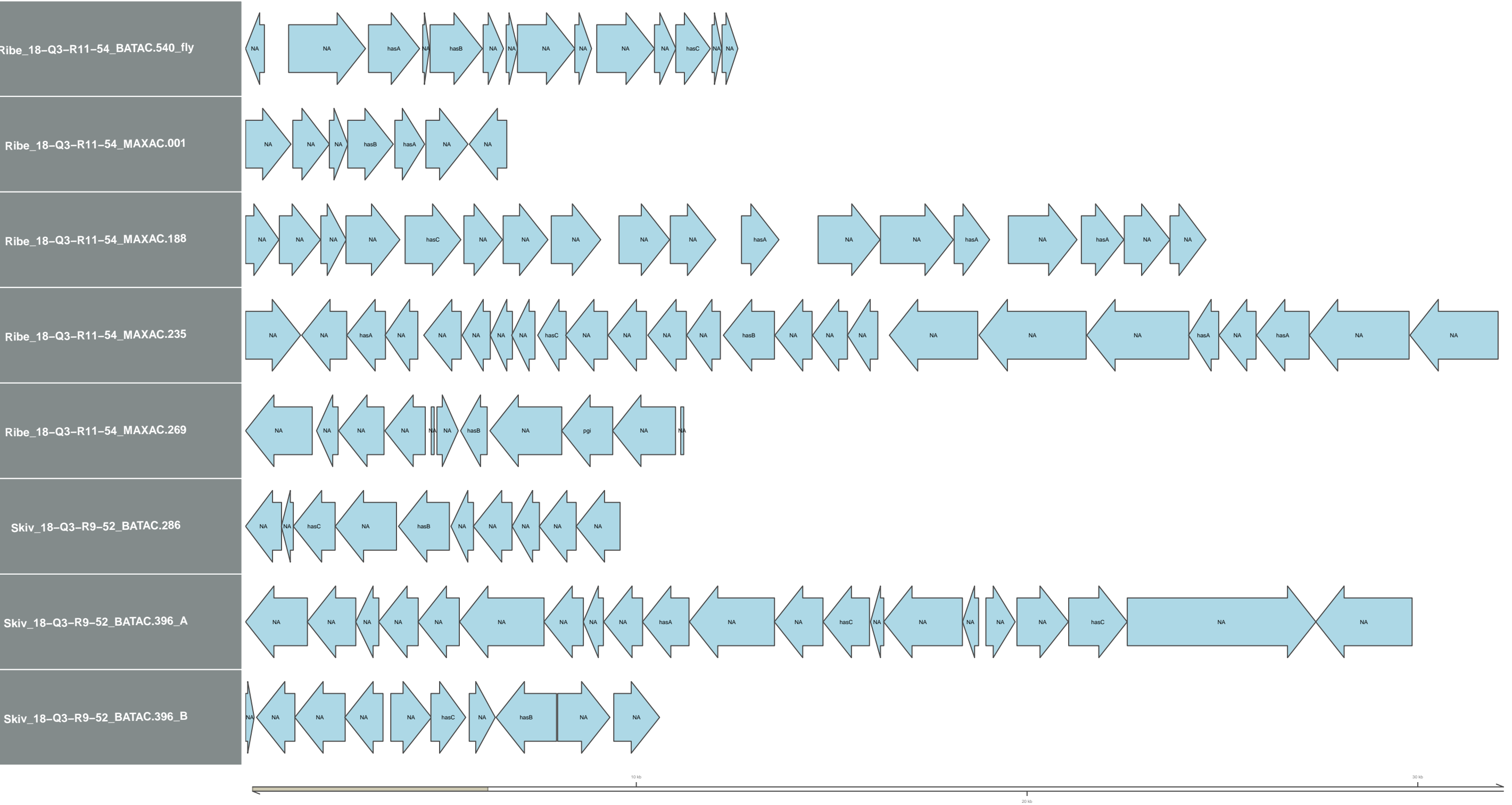
## HA\_streptococcus



HA\_streptococcus

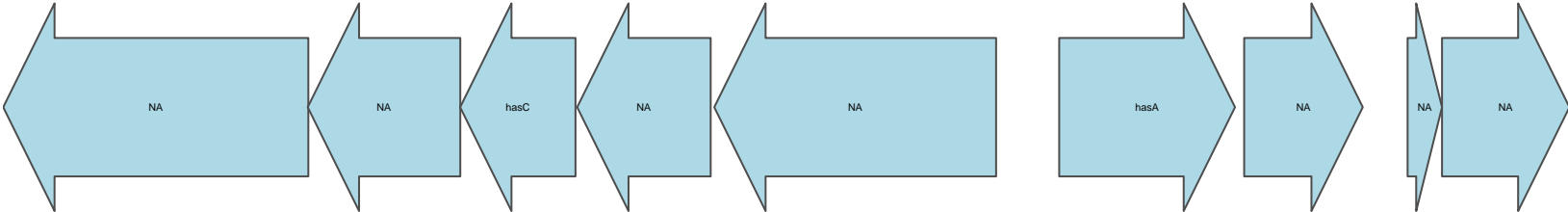


HA\_streptococcus

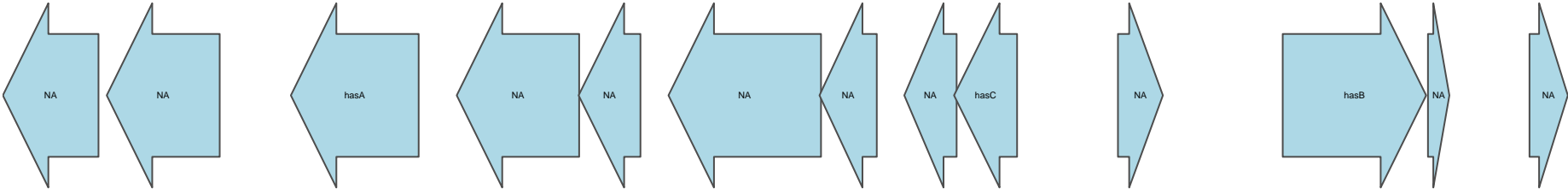


HA\_streptococcus

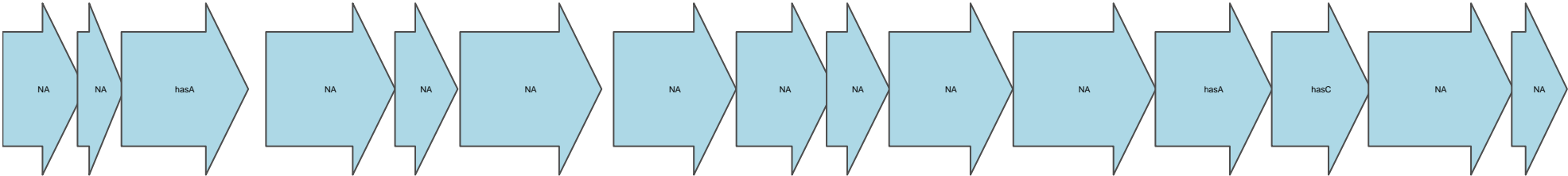
Skiv\_18-Q3-R9-52\_MAXAC.018



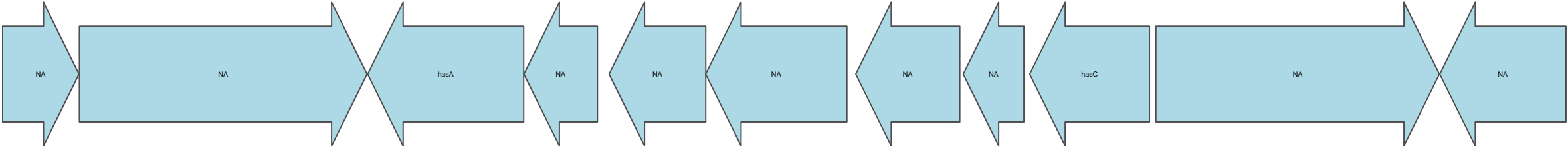
Skiv\_18-Q3-R9-52\_MAXAC.035



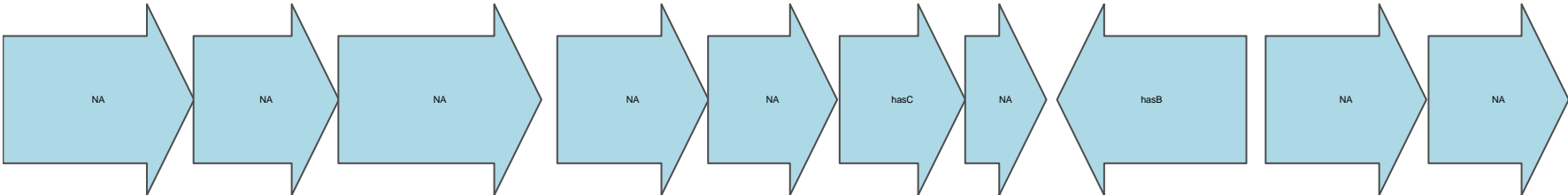
Vibo\_18-Q3-R45-57\_MAXAC.200



Viby\_18-Q3-R106-67\_BAT3C.52



Viby\_18-Q3-R106-67\_BATAC.55



47	Fred_18-Q3-R57-64_BAT3C.352	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__PHOS-HE28;g__PHOS-HE28;s__	tig00022679-10-905090	52888	hasB	01818
48	Fred_18-Q3-R57-64_BAT3C.720	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Rhodocyclaceae;g__Accumulibacter;s__	tig00351072-10-2609420	661	hasA	01412
49	Fred_18-Q3-R57-64_BATAC.269	d__Bacteria;p__FEN-1099;c__FEN-1099;o__f__g__s__	tig00010798-10-3084350	150044	hasA	02986
50	Fred_18-Q3-R57-64_BATAC.284	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Competibacterales;f__Competibacteraceae;g__Competibacter;s__	tig00002776-10-4696730	89020	hasA	03063
51	Fred_18-Q3-R57-64_BATAC.466	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Xanthobacteraceae;g__Ga0077548;s__	tig00004636-10-7134330	291854	hasB	01181
52	Fred_18-Q3-R57-64_BATAC.80	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__OLB9;s__	tig01546531-10-42007240	2870716	hasB	03845
53	Fred_18-Q3-R57-64_MAXAC.004	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__Rubrivivax;s__	tig00012388-10-2001380	35851	hasB	01922
54	Fred_18-Q3-R57-64_MAXAC.073	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Porticoccaceae;g__s__	tig00351274-10-13806640	1211426	hasC	02948
55	Fred_18-Q3-R57-64_MAXAC.220	d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;f__Streptococcus infantarius	tig00001084-10-19102340	675892	hasC	00785
56	Fred_18-Q3-R57-64_MAXAC.250	d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__Pyrinomonadaceae;g__s__	tig00013653-10-380590	8895	hasA	03179
57	Fred_18-Q3-R57-64_MAXAC.276	d__Bacteria;p__Myxococota;c__Polyangia;o__Polyangiales;f__Sandaracinaceae;g__s__	tig00000756-10-19749050	624654	hasA	00551
58	Fred_18-Q3-R57-64_MAXAC.287	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Competibacterales;f__Competibacteraceae;g__Competibacter;s__	tig01547371-10-1541370	25899	hasA	04536
59	Fred_18-Q3-R57-64_MAXAC.347	d__Bacteria;p__Myxococota;c__Polyangia;o__Polyangiales;f__Polyangiaceae;g__s__	tig000000646-10-27274520	525962	hasA	00462
60	Fred_18-Q3-R57-64_MAXAC.396_cln	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Reyranellales;f__Reyranellaceae;g__s__	tig000000039-10-53363560	239600	hasB	00233
61	Hade_18-Q3-R52-61_BAT3C.212	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__JJ008;s__	tig00407653-10-1926590	184766	hasB	02514
62	Hade_18-Q3-R52-61_BAT3C.352	d__Bacteria;p__Actinobacteriota;c__Thermoleophilia;o__Solirubrobacterales;f__70-9;g__67-14;s__	tig000000830-10-14143930	47639	hasB	00048
63	Hade_18-Q3-R52-61_BATAC.282	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__UBA5518;g__UBA5518;s__UBA5518 sp002396625	tig00005254-10-4088780	374350	hasB	02060
64	Hade_18-Q3-R52-61_BATAC.34	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__JJ008;s__	tig00001009-10-10233600	538865	hasB	00559
65	Hade_18-Q3-R52-61_BATAC.500	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__OLB9;s__	tig00408953-10-2470440	234242	hasB	03349
66	Hade_18-Q3-R52-61_BATAC.713	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__AKYH767;f__b-17BO;g__UBA4416;s__	tig00011384-10-1936590	74757	hasA	01644
67	Hade_18-Q3-R52-61_MAXAC.028	d__Bacteria;p__Bacteroidota;c__Ignavibacteria;o__SJA-28;f__B-1AR;g__UBA2330;s__	tig00011331-10-1976460	67338	hasA	01975
68	Hade_18-Q3-R52-61_MAXAC.042	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__Anaerolineales;f__envOPS12;g__OLB14;s__	tig00014449-10-1135470	35254	hasA	01507
69	Hade_18-Q3-R52-61_MAXAC.064	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00406432-10-6385110	446099	hasB	02635
70	Hade_18-Q3-R52-61_MAXAC.389	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__UBA2359;g__s__	tig00002297-10-7587310	98472	hasA	00664
71	Hade_18-Q3-R52-61_MAXAC.390	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Thiotrichales;f__Thiotrichaceae;g__Thiofilum;s__	tig00000011-10-40151770	2373044	hasA	02279
72	Hirt_18-Q3-R61-65_BAT3C.202	d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;g__Austwickia;s__	tig00316410-10-10243700	713713	hasA	02919
73	Hirt_18-Q3-R61-65_BAT3C.279	d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Propionibacteriales;f__Propionibacteriaceae;g__Micropruina;s__	tig00001155-10-14562110	894799	hasA	02505
74	Hirt_18-Q3-R61-65_BAT3C.578	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00001406-10-10549010	895651	hasA	00761
75	Hirt_18-Q3-R61-65_BATAC.270	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__OLB9;s__	tig00002097-10-8877200	666017	hasB	00598
76	Hirt_18-Q3-R61-65_BATAC.511	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00001443-10-11952200	699132	hasB	01870
77	Hirt_18-Q3-R61-65_MAXAC.305	d__Bacteria;p__Bdellovibrionota;c__Bdellovibrionia;o__Bdellovibrionales;f__UBA1609;g__s__	tig00316322-10-14895540	474635	hasA	02148
78	Hjor_18-Q3-R7-51_BAT3C.94	d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;g__Phycoccus;s__	tig00001034-10-18376270	668318	hasA	00662
79	Hjor_18-Q3-R7-51_BATAC.166	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__Ferruginibacter;s__	tig00120023-10-2656750	77633	hasA	02846
80	Hjor_18-Q3-R7-51_MAXAC.088	d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;g__GCA-2748155;s__	tig00120094-10-3563900	340725	hasA	03029
81	Kalu_18-Q3-R12-55_BAT3C.19	d__Bacteria;p__Verrucomicrobiota;c__Verrucomicrobiae;o__Pedosphaerales;f__UBA9464;g__s__	tig00001403-10-8768320	83245	hasB	00062
82	Kalu_18-Q3-R12-55_BAT3C.288	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00003588-10-2760750	46719	hasB	01149
83	Kalu_18-Q3-R12-55_BAT3C.359	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Burkholderiaceae;g__s__	tig00001165-10-8548430	648471	hasA	00618
84	Kalu_18-Q3-R12-55_BAT3C.361	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__Anaerolineales;f__envOPS12;g__UBA12294;s__	tig00000461-10-23099880	1405172	hasA	01305
85	Kalu_18-Q3-R12-55_BATAC.81	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__UBA5518;g__UBA5518;s__	tig00007458-10-904370	59826	hasA	03756
86	Kalu_18-Q3-R12-55_MAXAC.026	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Ga0077559;s__	tig00440498-10-14308980	1386948	hasA	02822
87	Kalu_18-Q3-R12-55_MAXAC.032	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig000000001-10-55188560	2721544	hasB	02091
88	Kalu_18-Q3-R12-55_MAXAC.106v2	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__Promineofilales;f__Promineofilaceae;g__GCA-2699125;s__	tig00000173-10-21988890	341844	hasA	00291
89	Kalu_18-Q3-R12-55_MAXAC.127v2	d__Bacteria;p__Bacteroidota;c__Ignavibacteria;o__Ignavibacteriales;f__Ignavibacteriaceae;g__s__	tig000000009-10-45985110	3815982	hasA	03184
90	Kalu_18-Q3-R12-55_MAXAC.132v2	d__Bacteria;p__Nitrospirota;c__Nitrospira;o__Nitrospirales;f__Nitrospiraceae;g__Nitrospira;s__	tig00001930-10-7323120	329488	hasA	01636
91	Kalu_18-Q3-R12-55_MAXAC.141_sub	d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__Pyrinomonadaceae;g__OLB17;s__	tig000000024-10507670-32924090	2164334	hasC	03014
92	Lyne_18-Q3-R50-59_BAT3C.1	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Ga0077559;s__	tig00320340-10-18168060	361818	hasA	00344