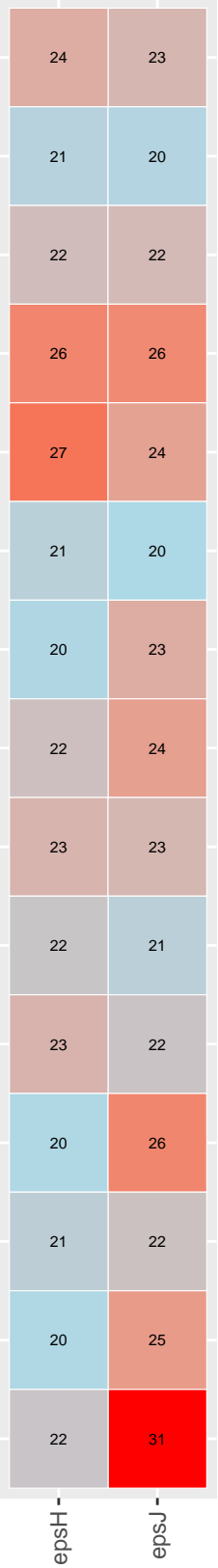
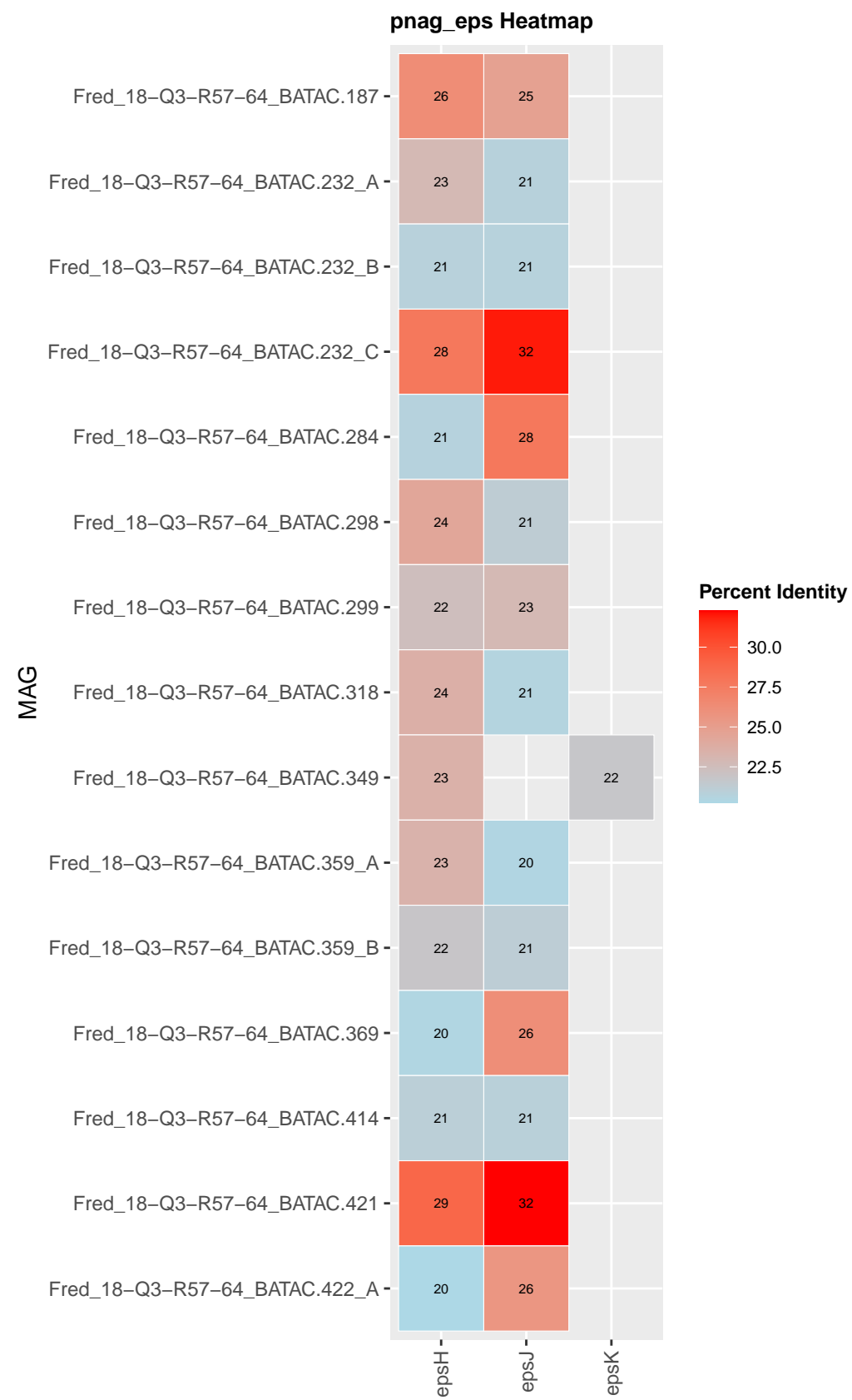
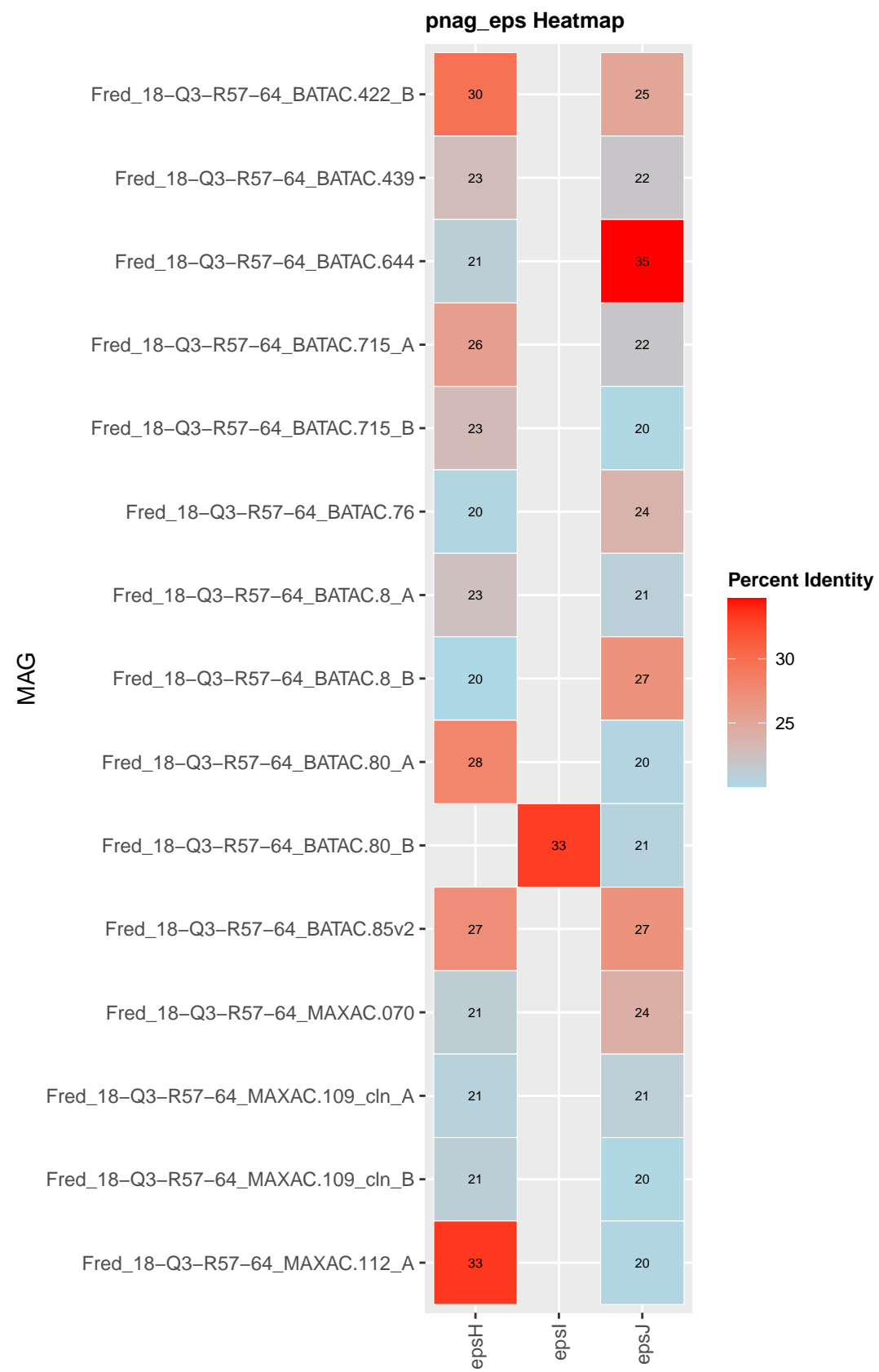


pnag_eps Heatmap

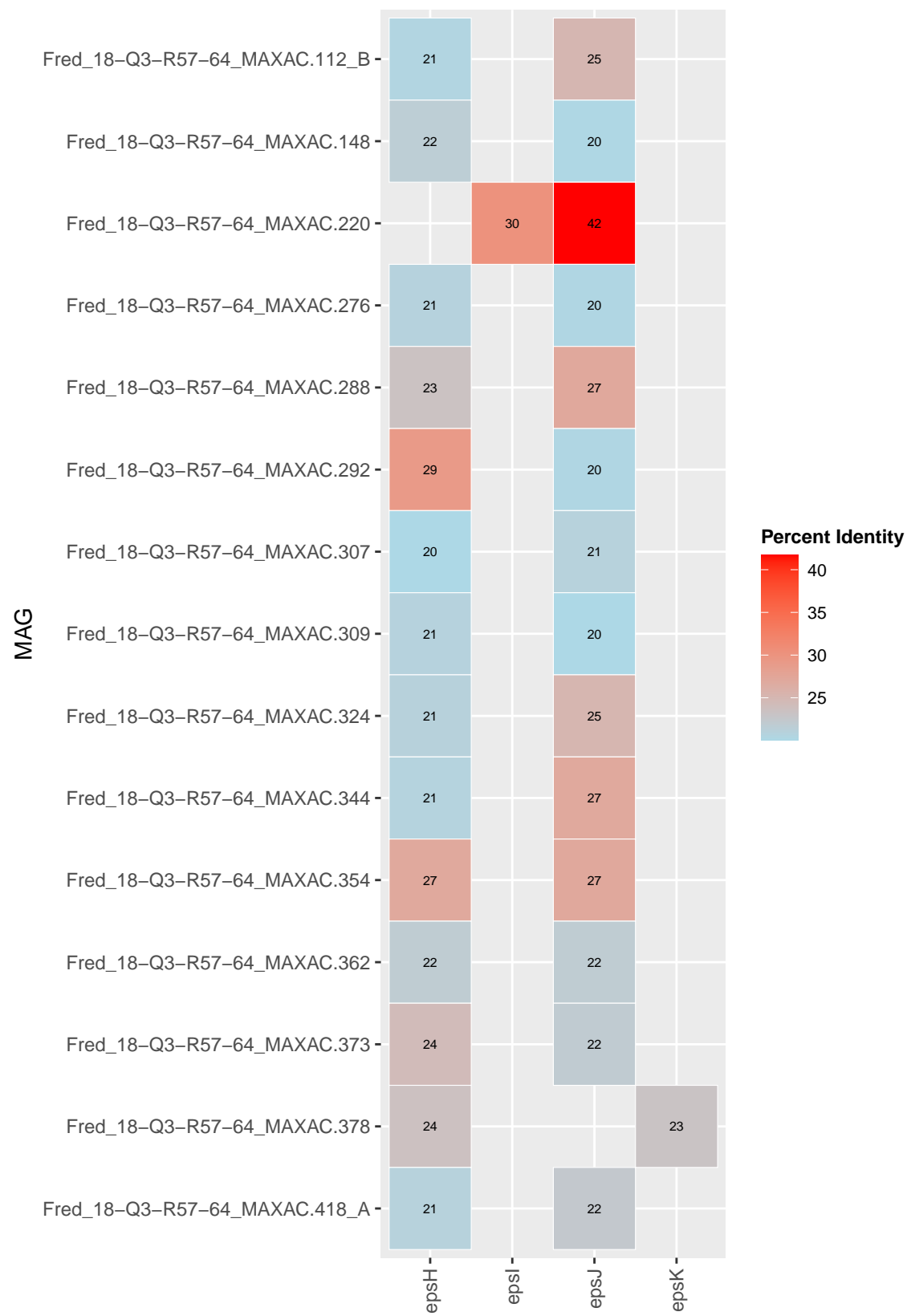
MAG



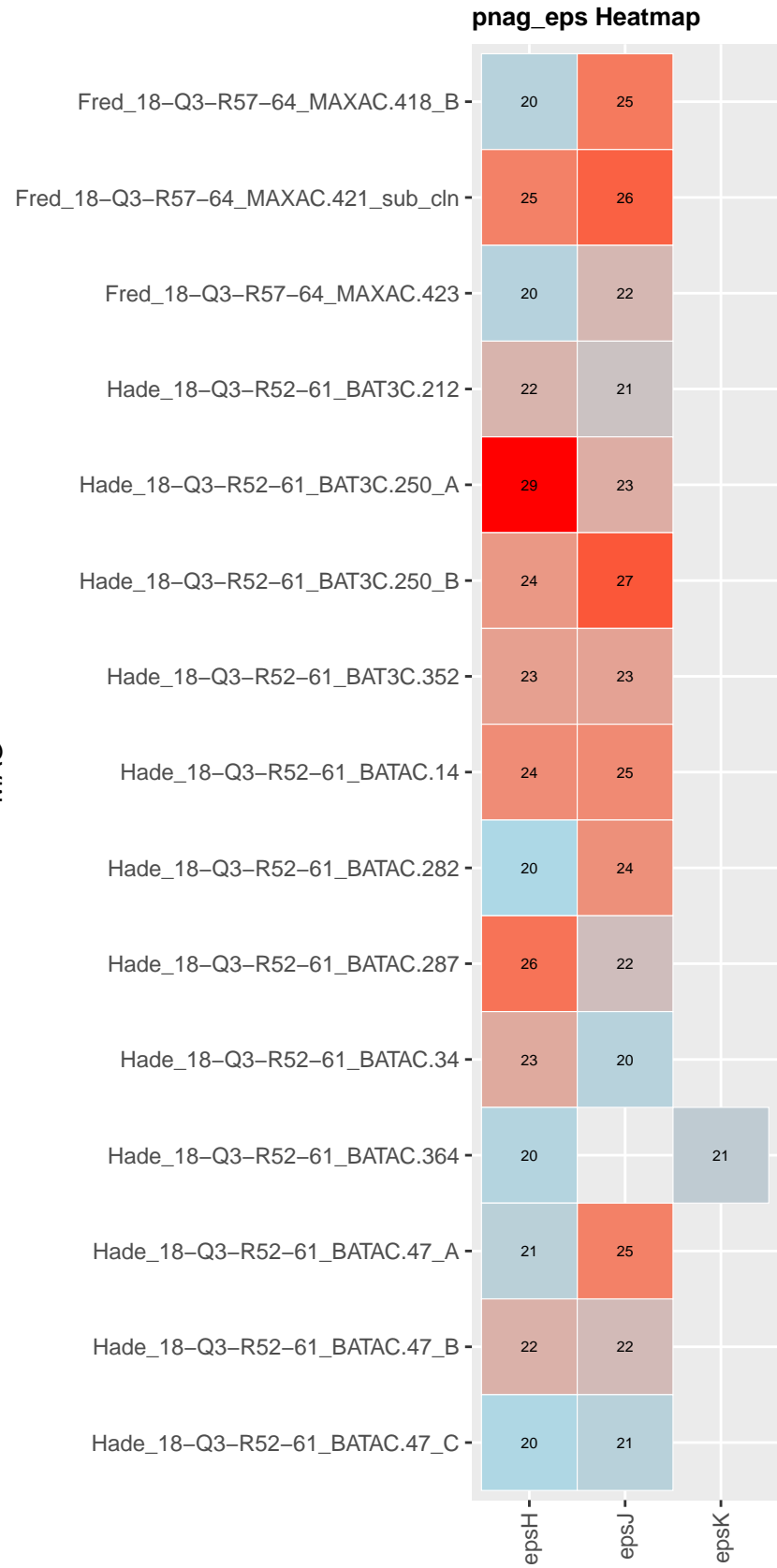




pnag_eps Heatmap

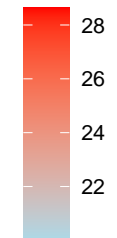


MAG

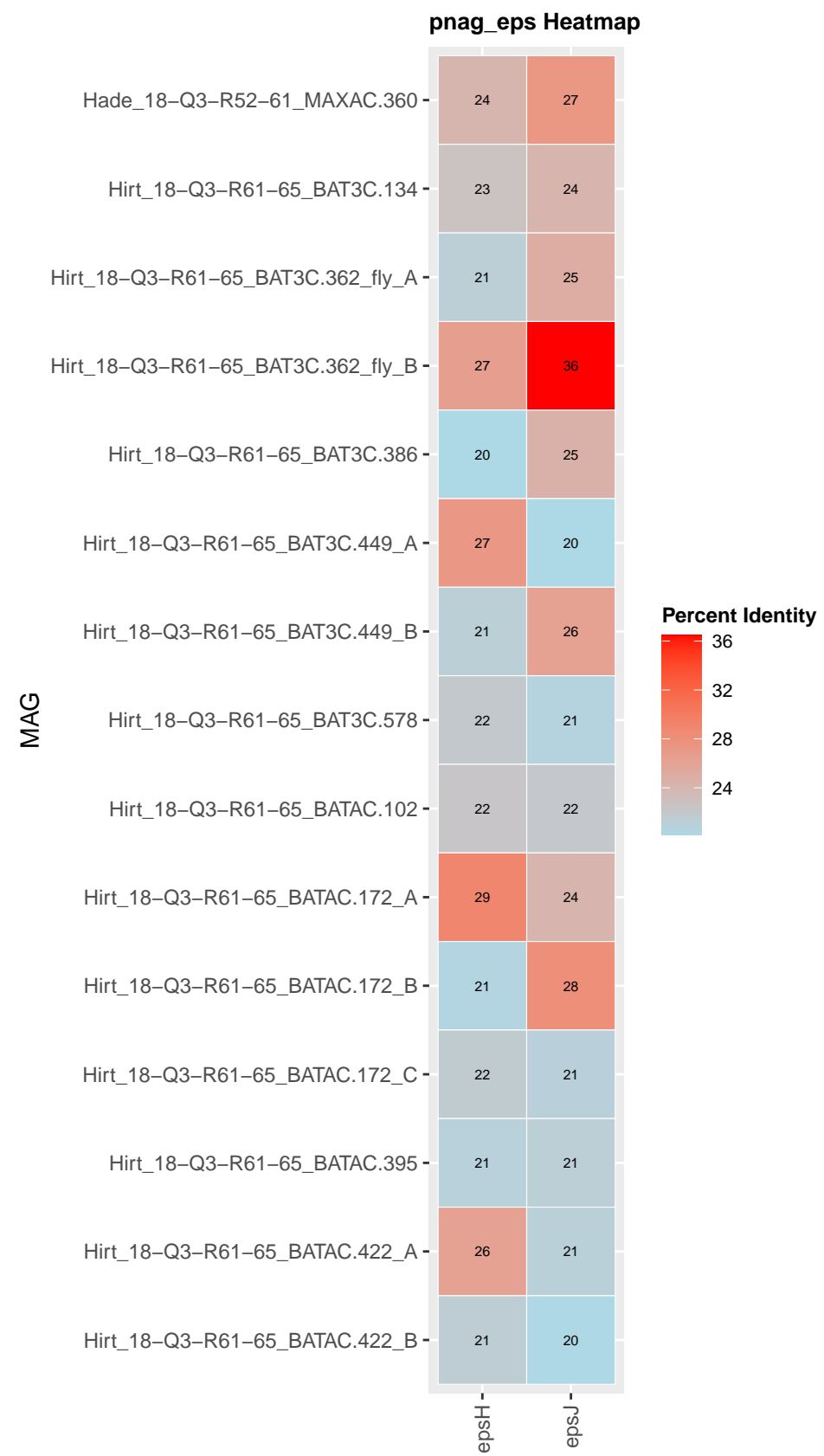


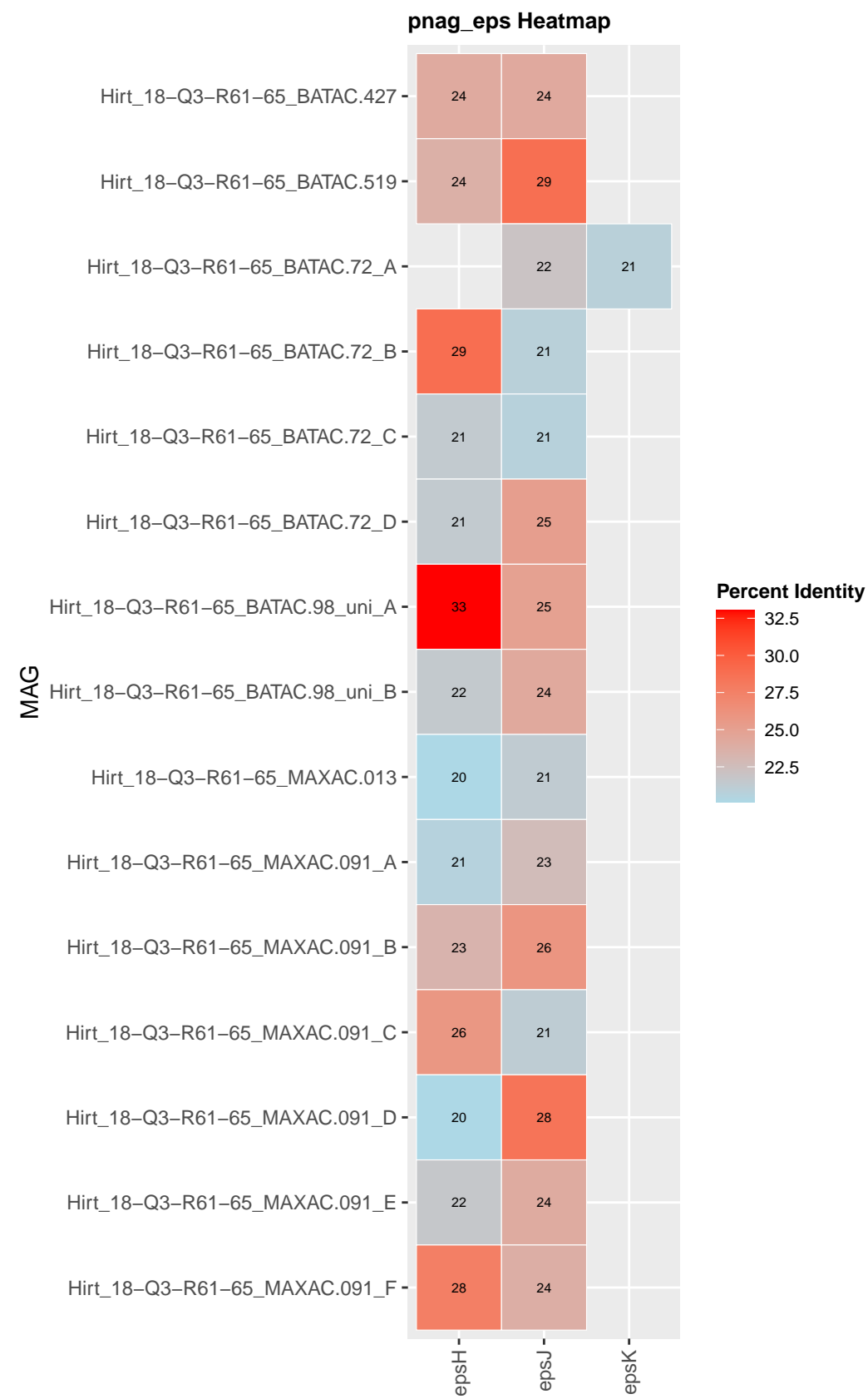
pnag_eps Heatmap

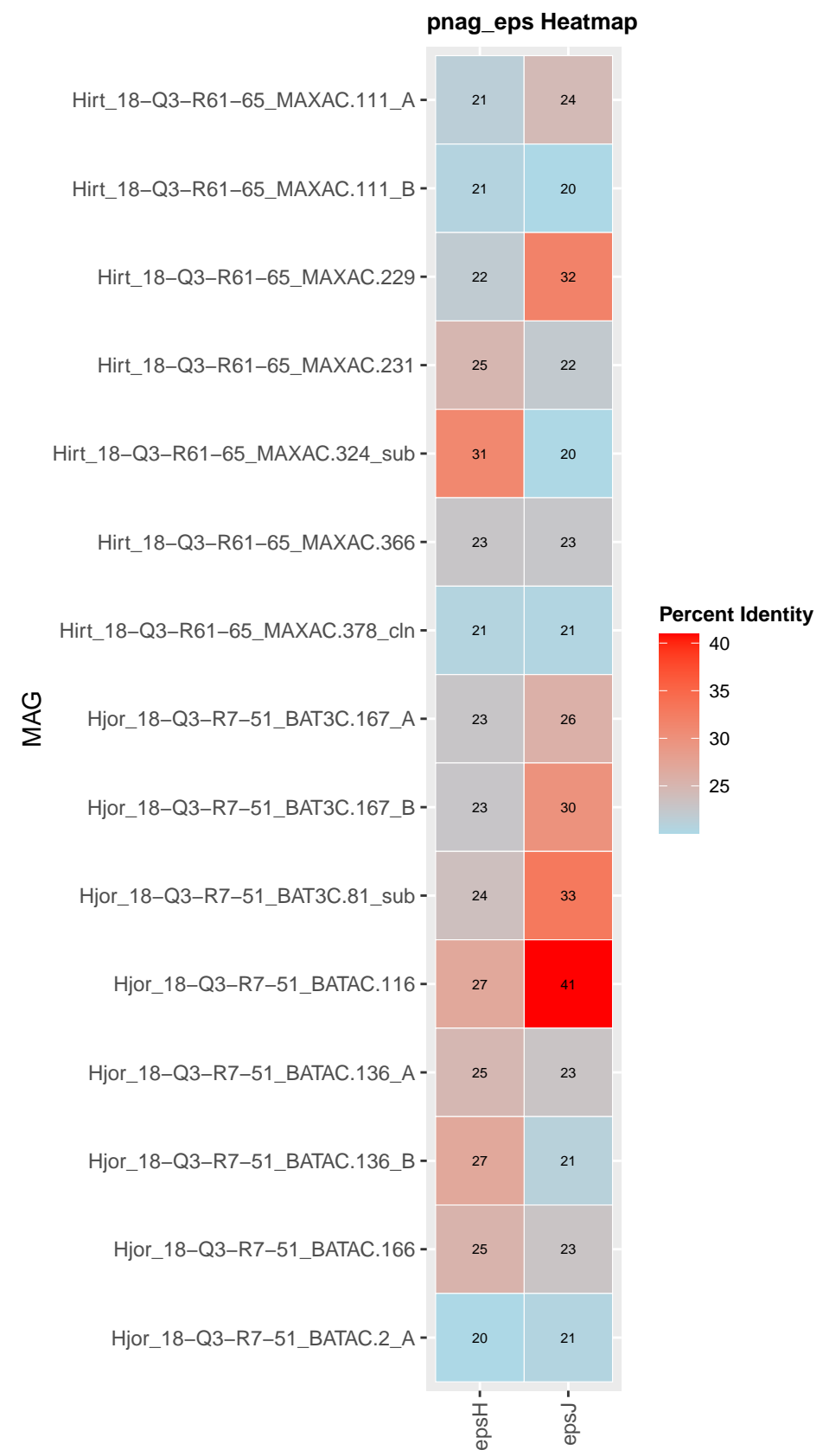
Percent Identity

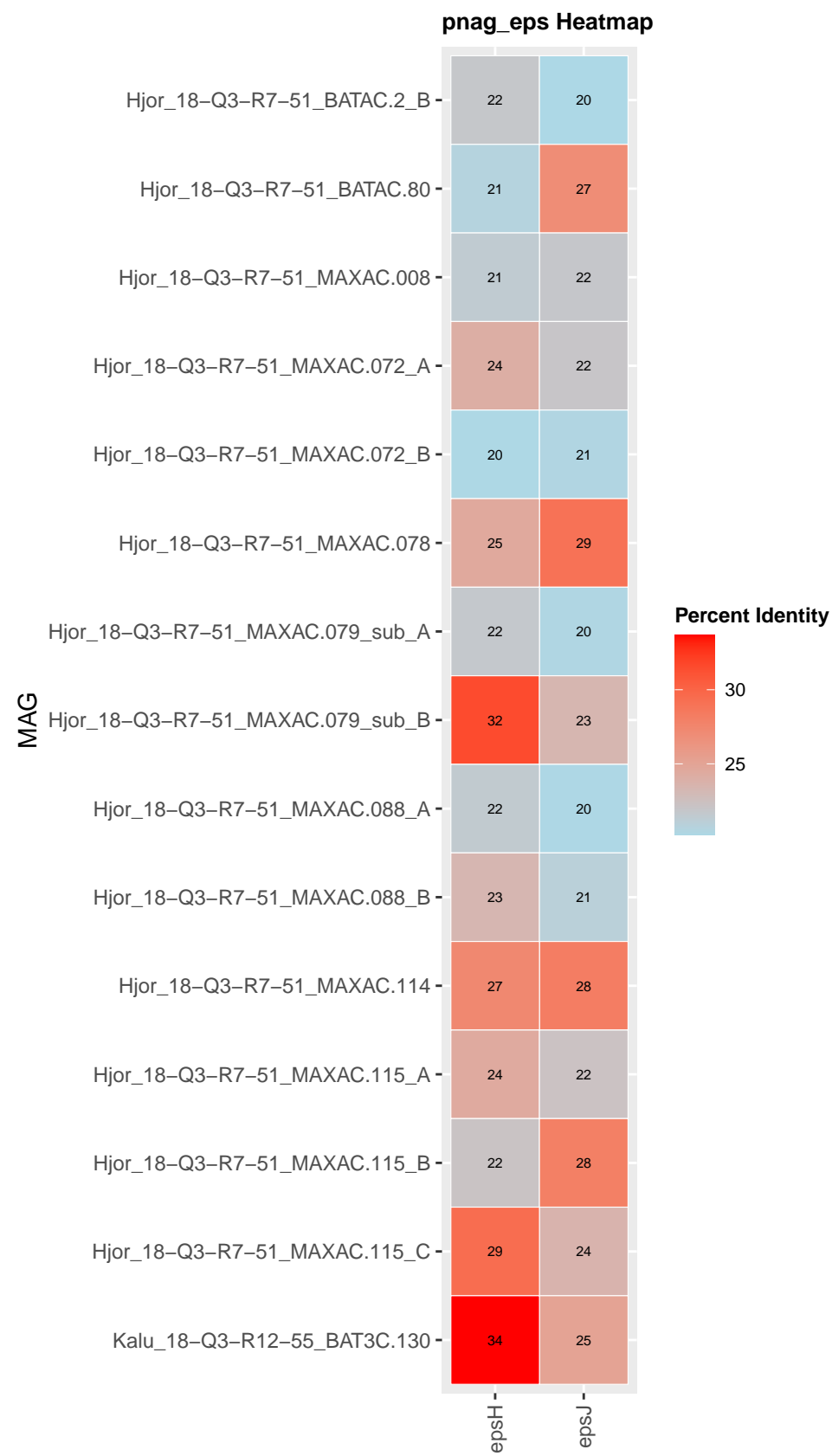


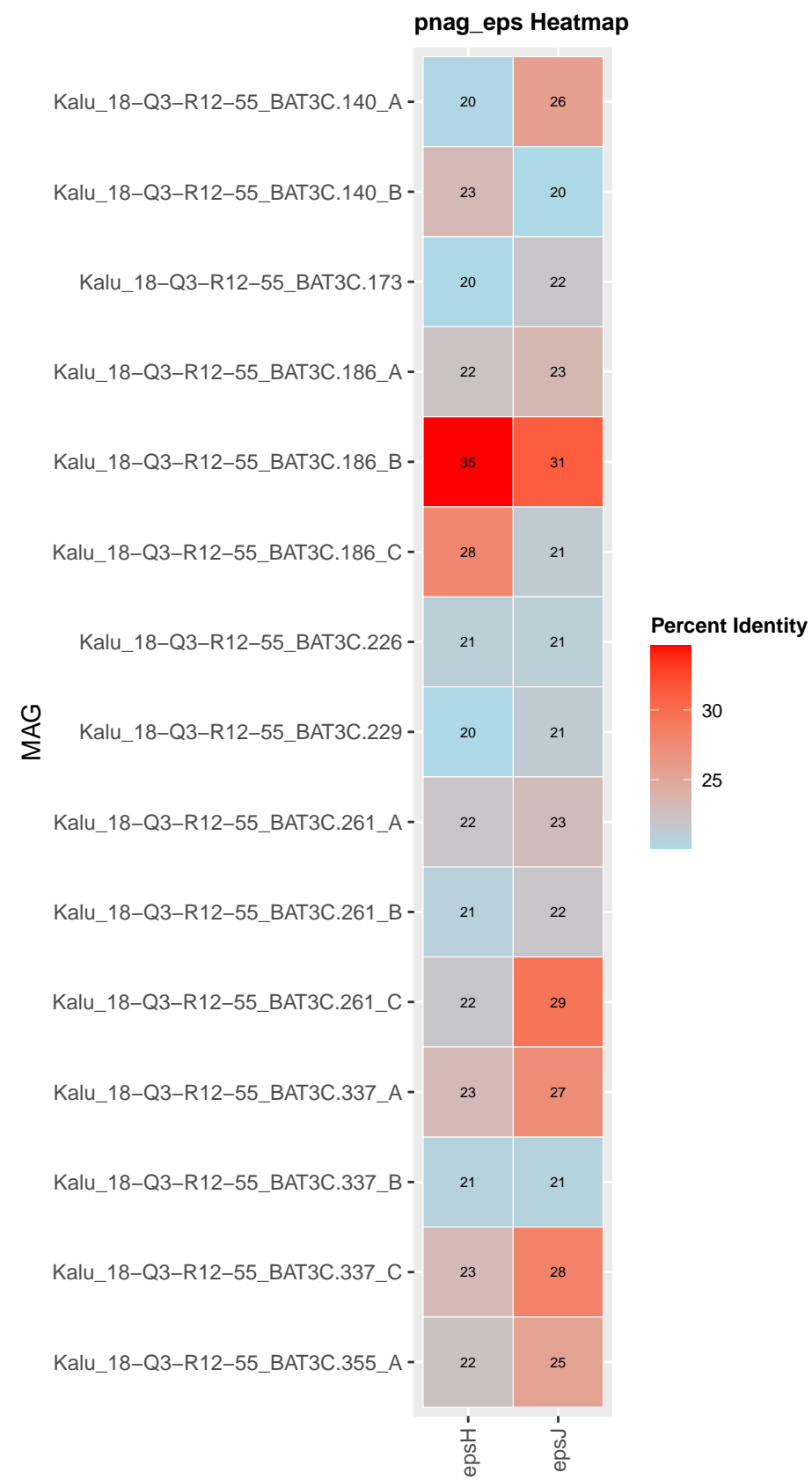


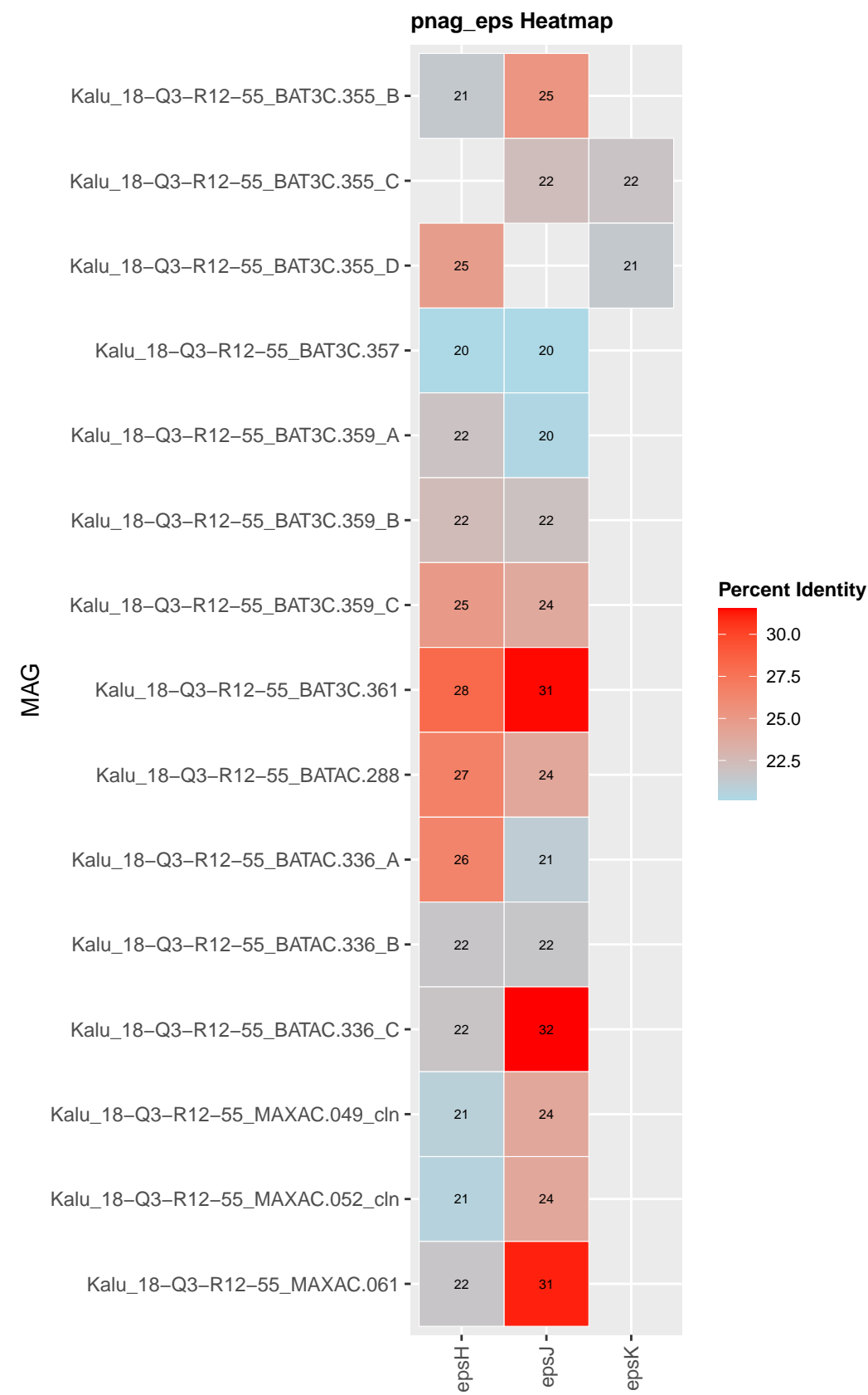


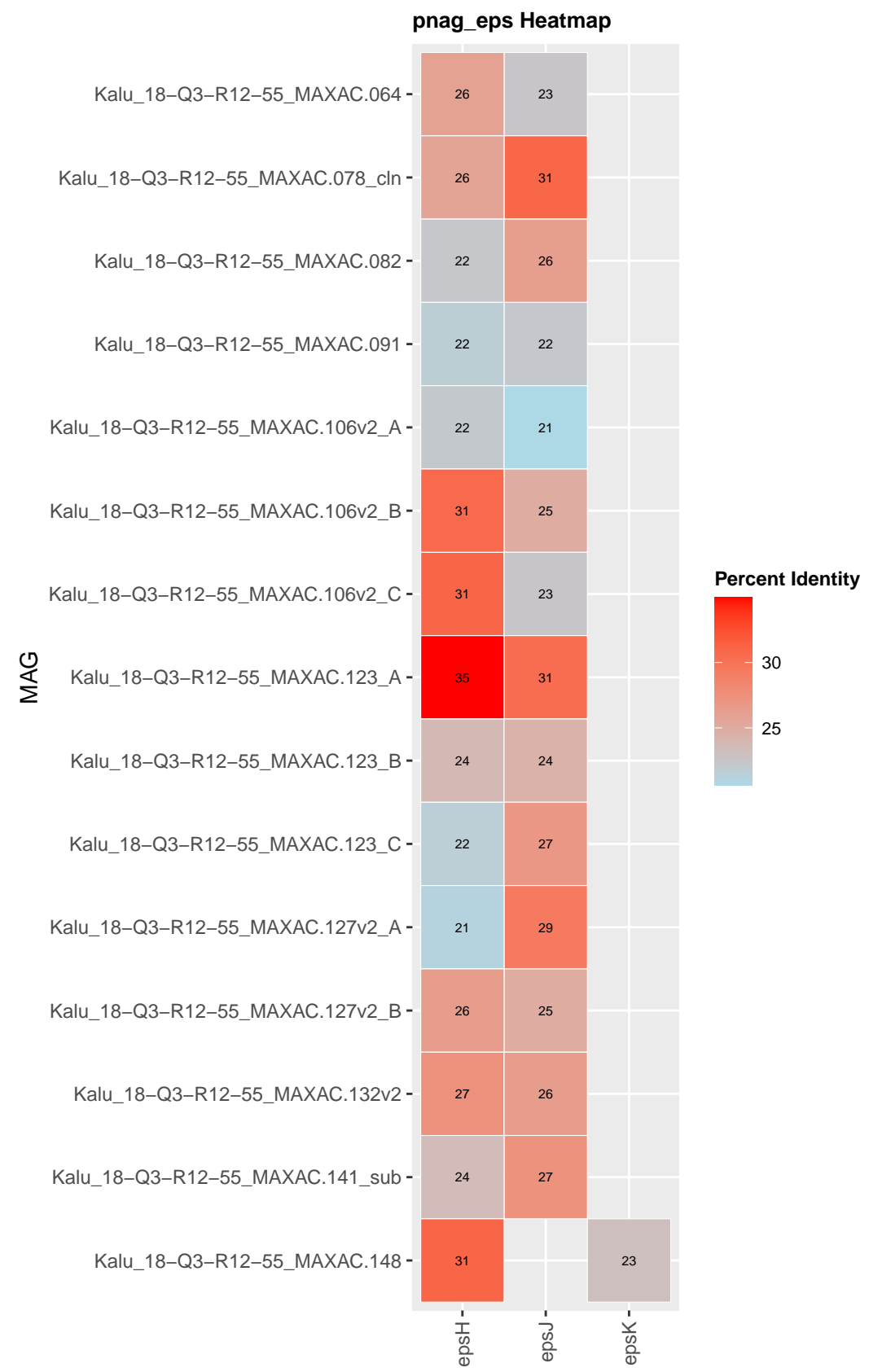




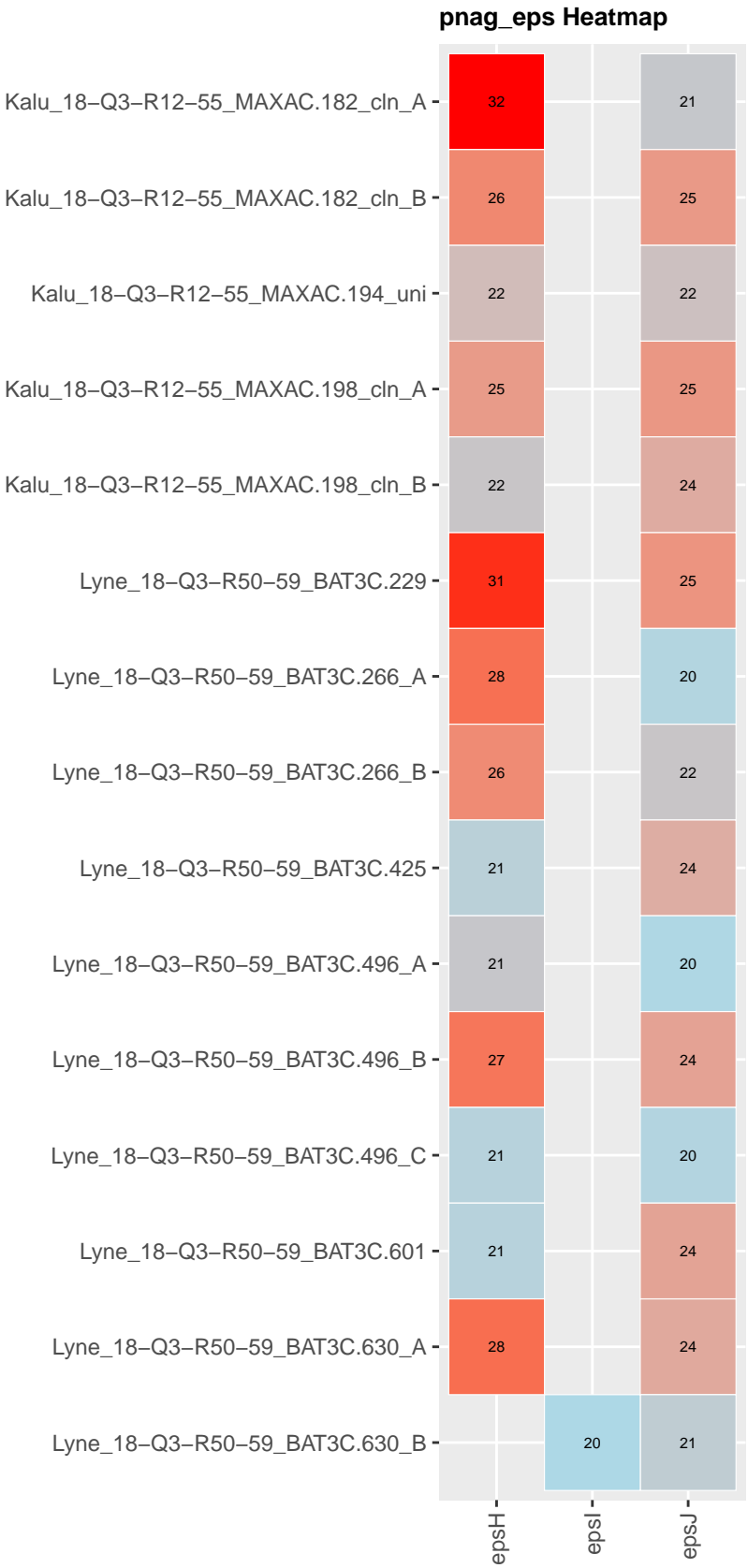


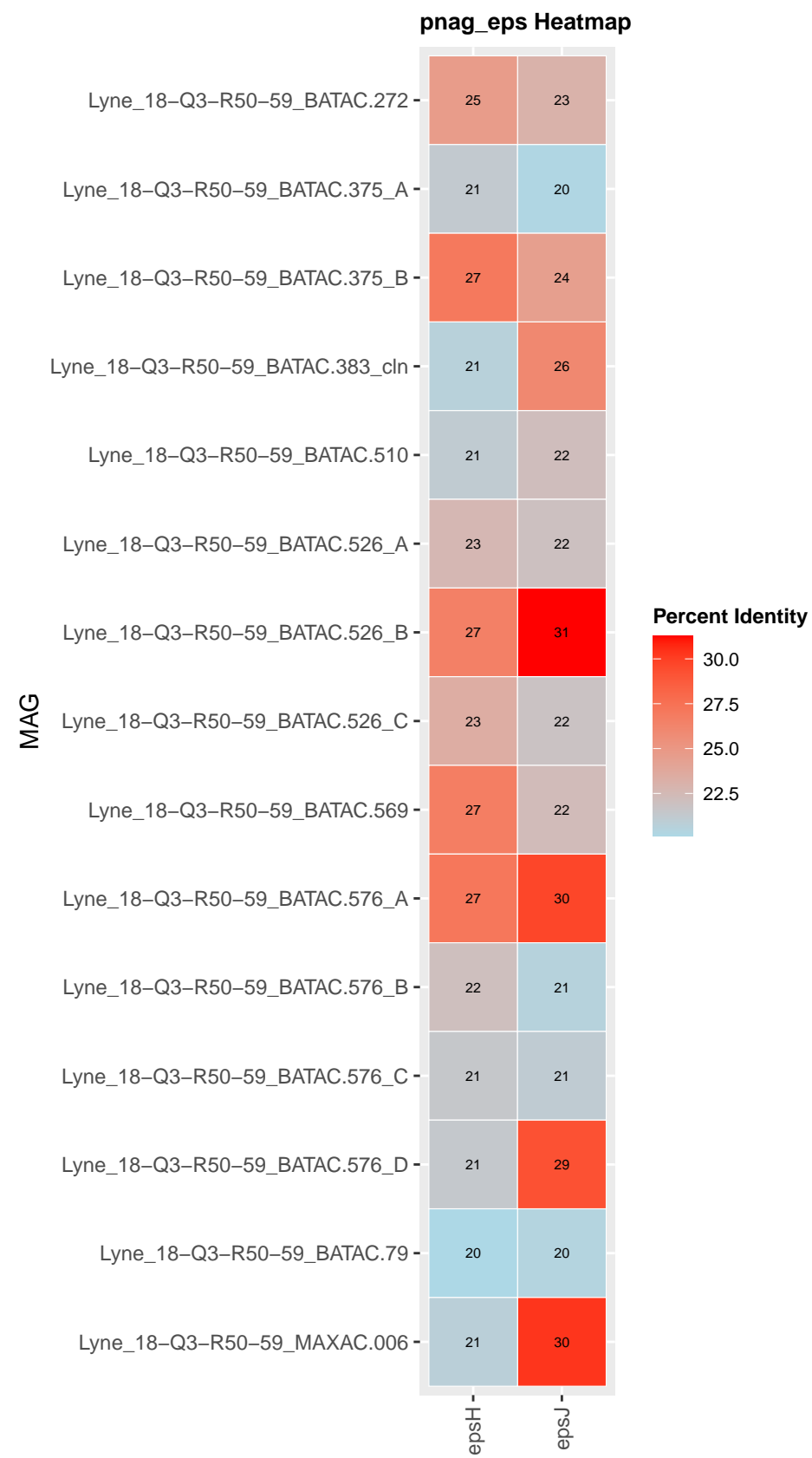


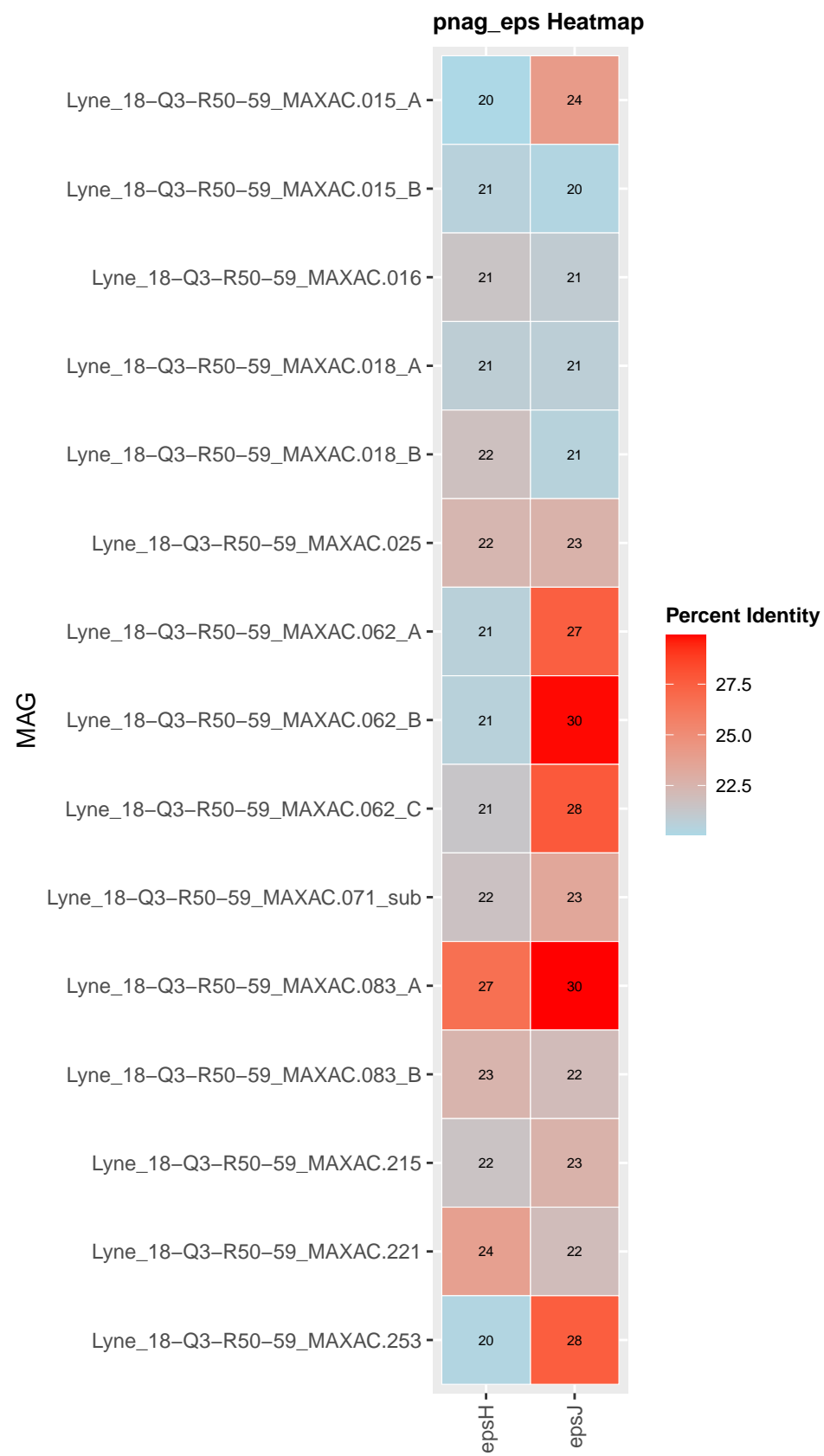


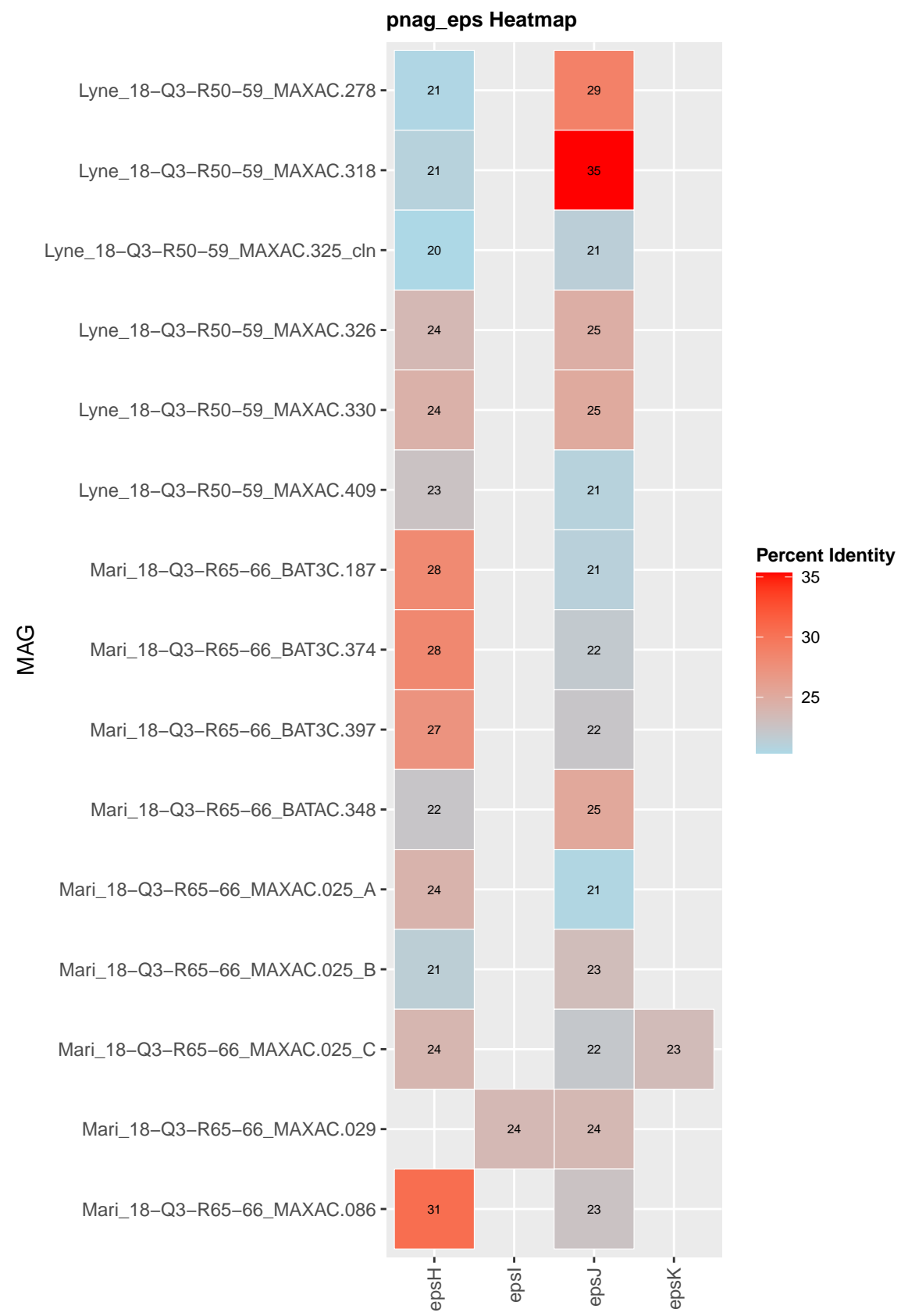


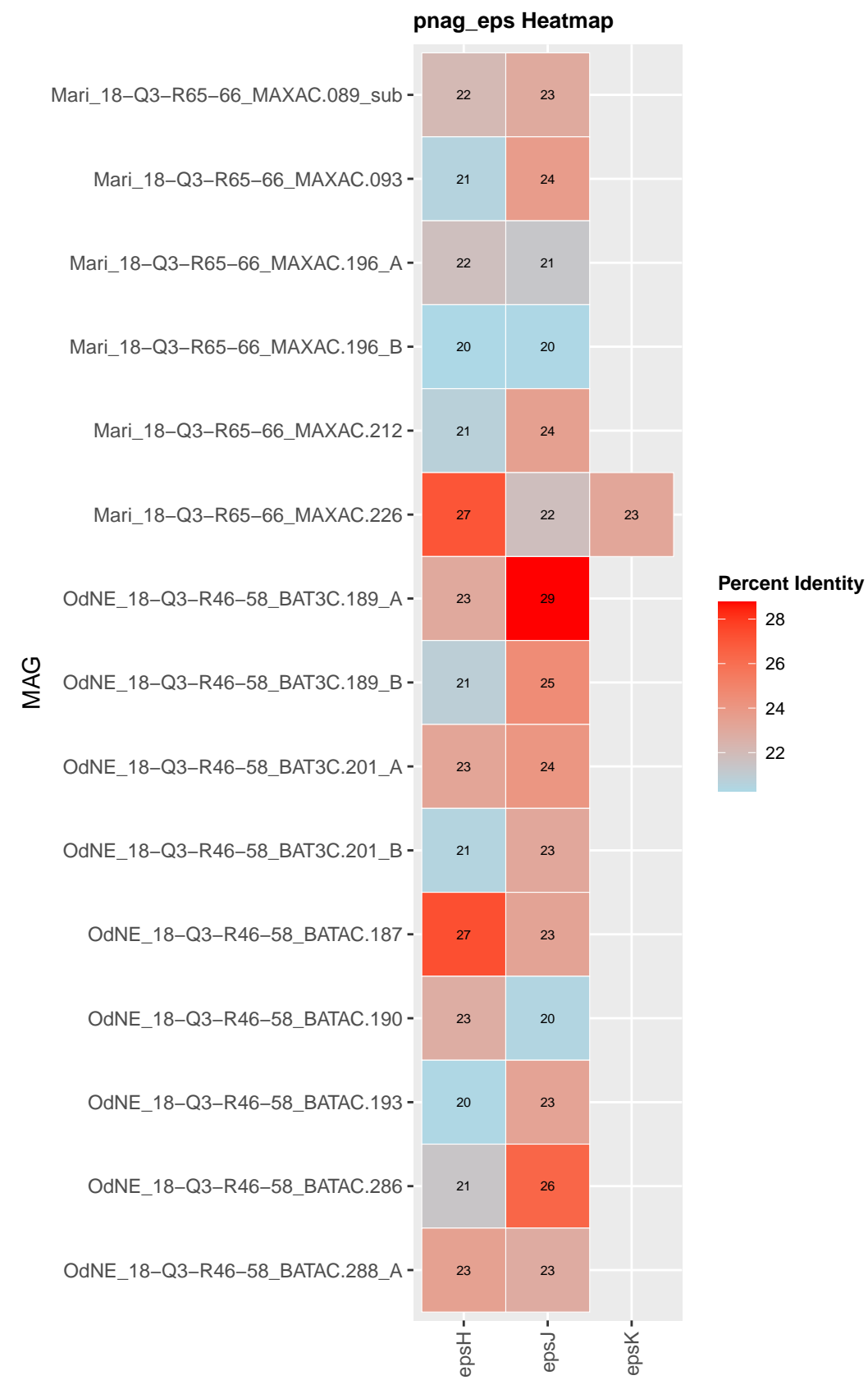
MAG

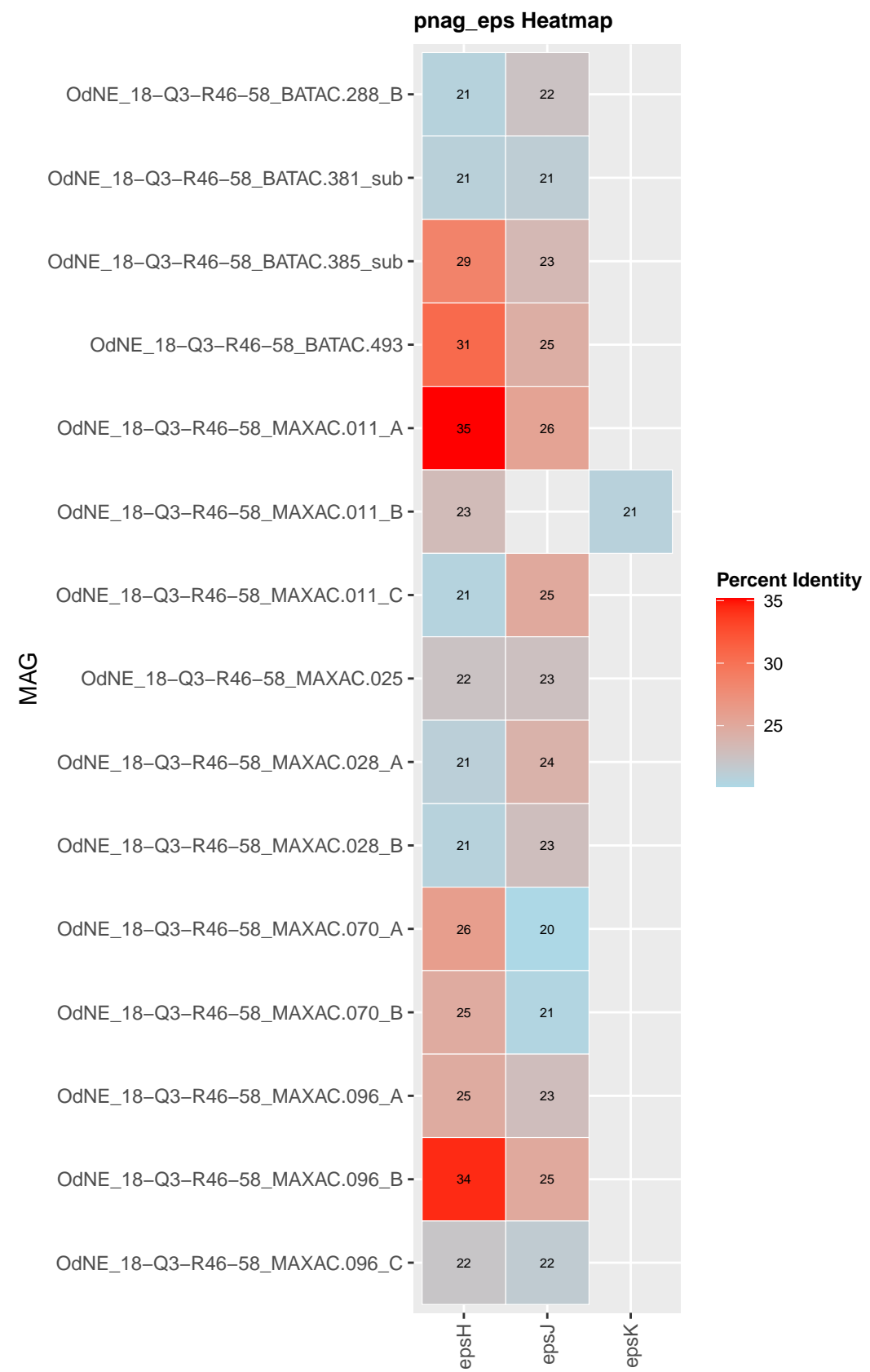


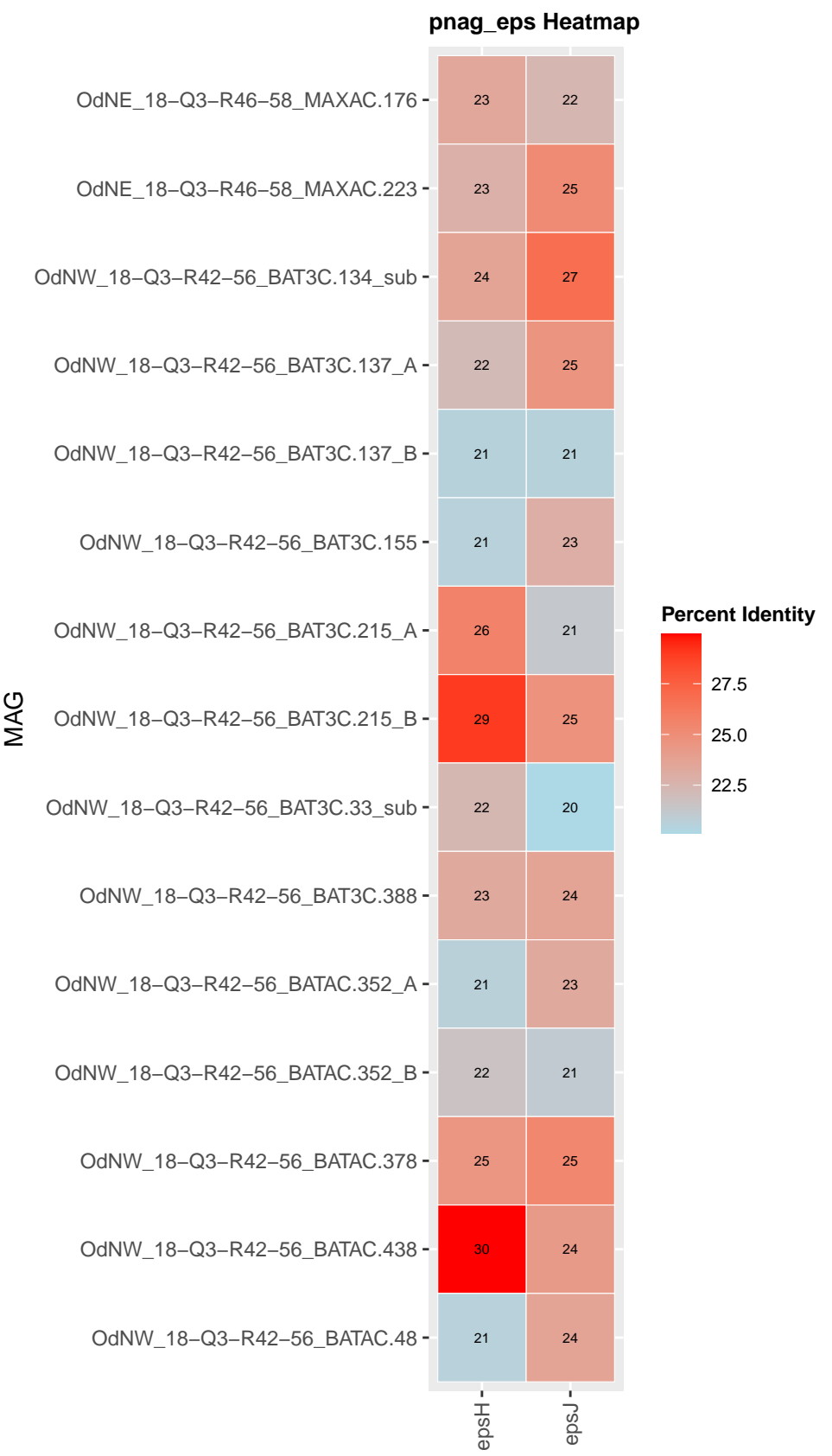


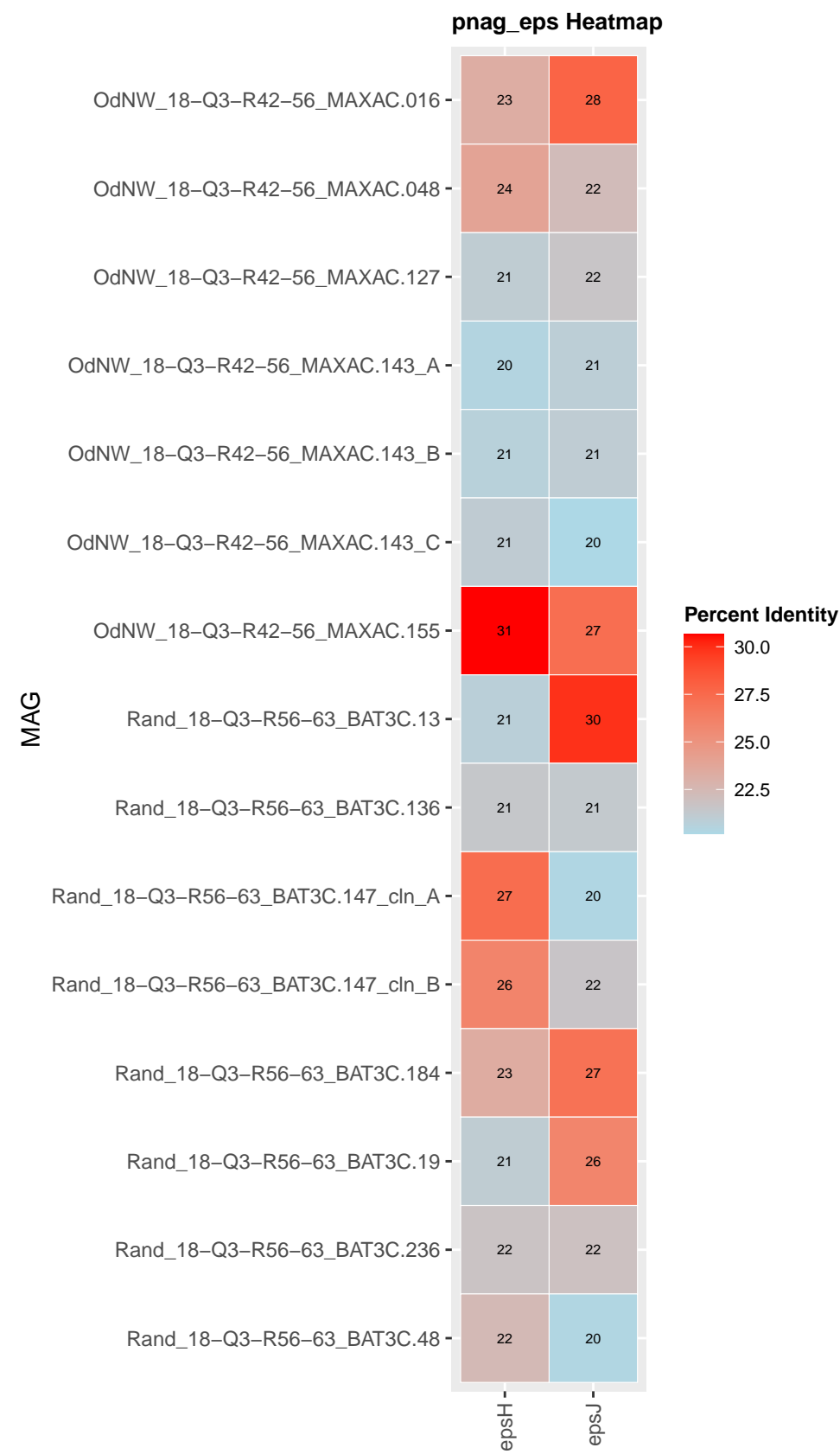


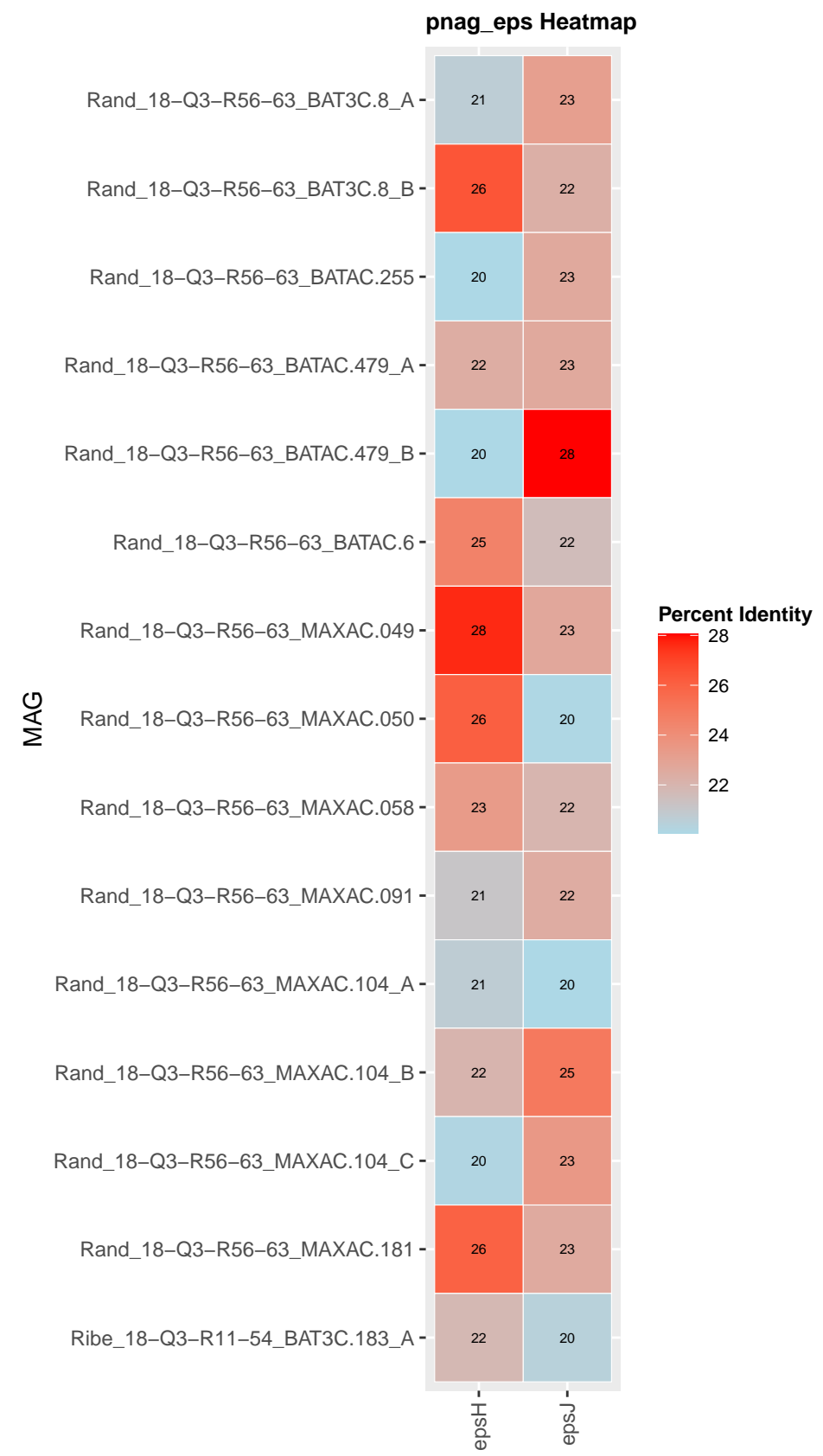


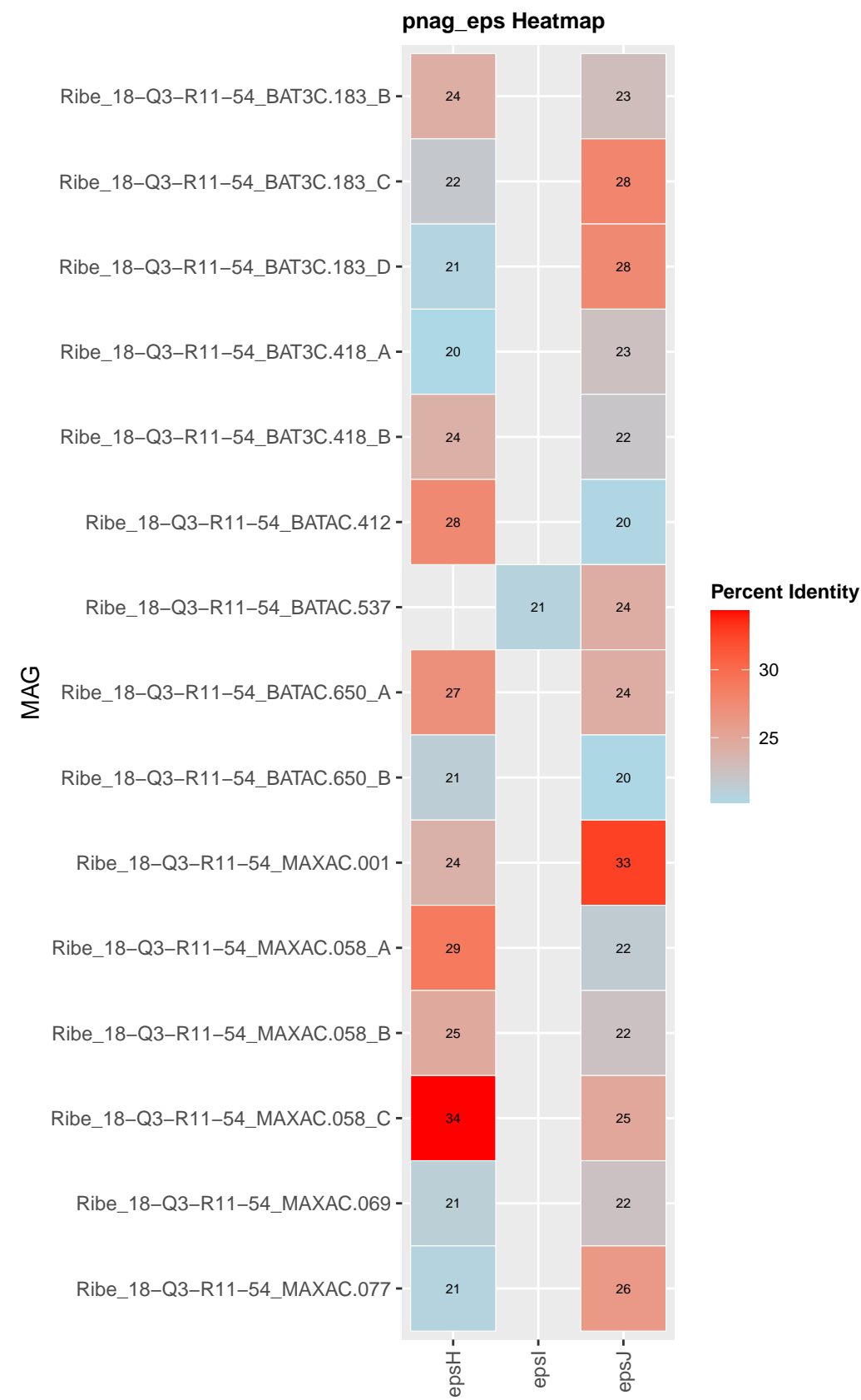


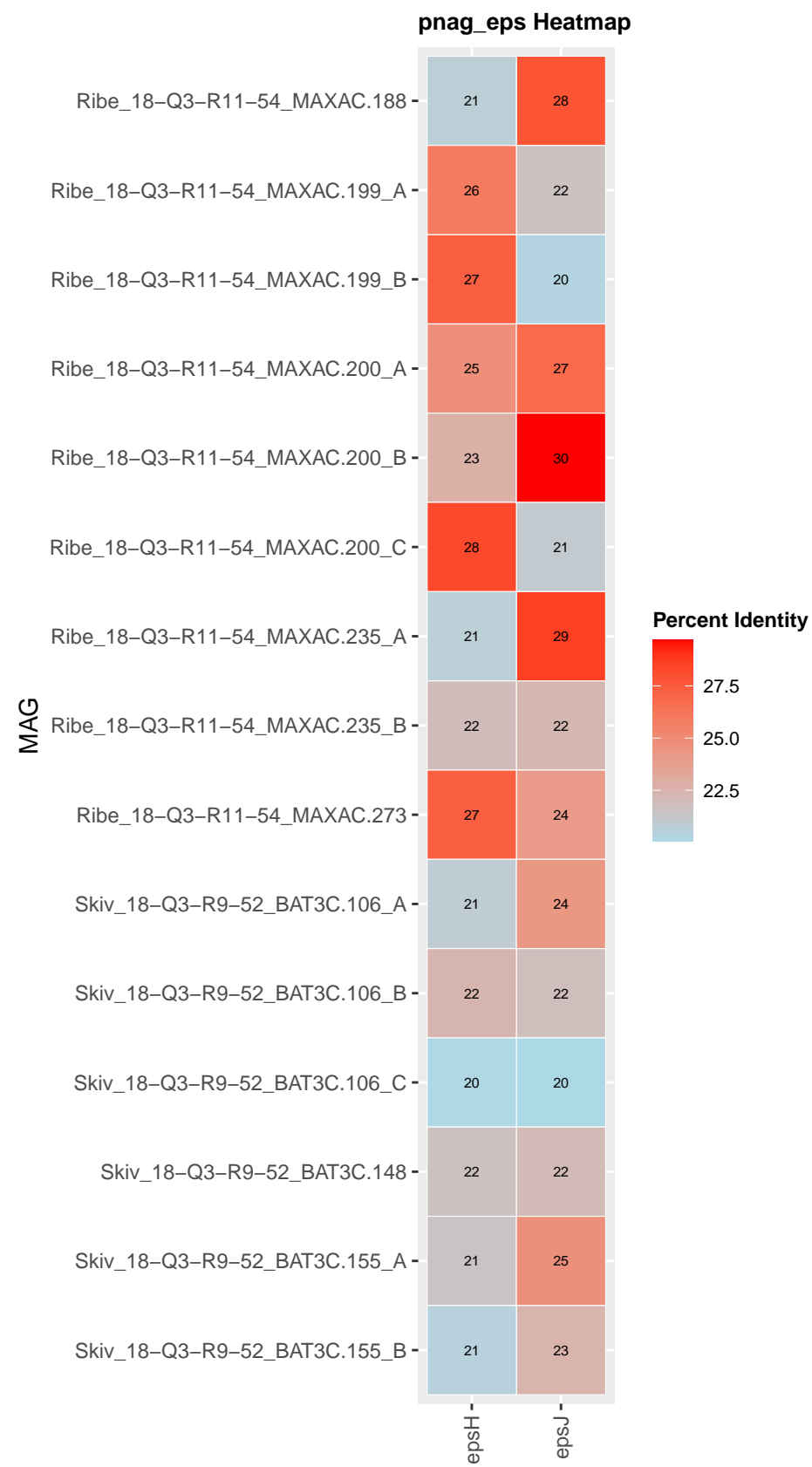


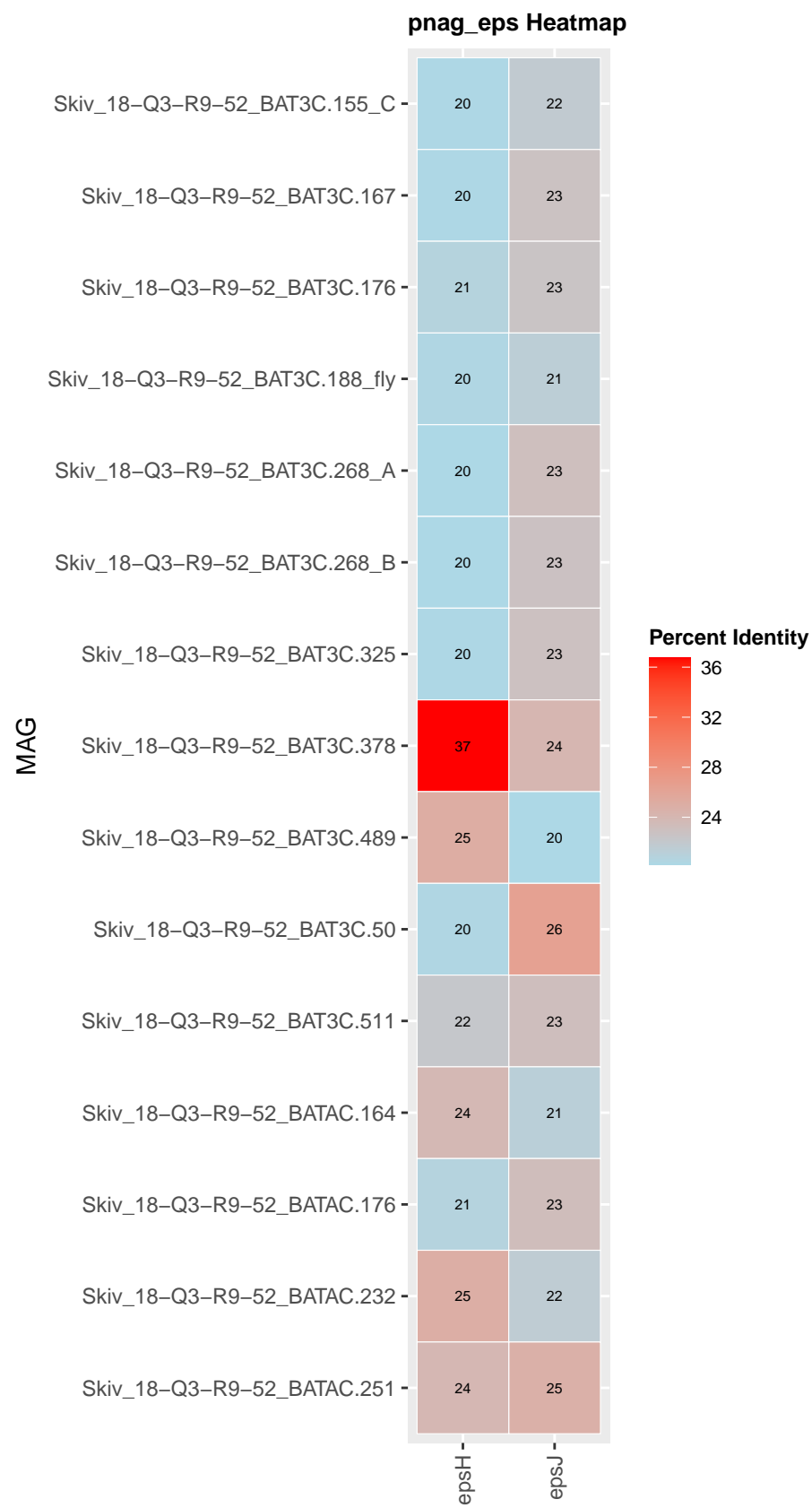


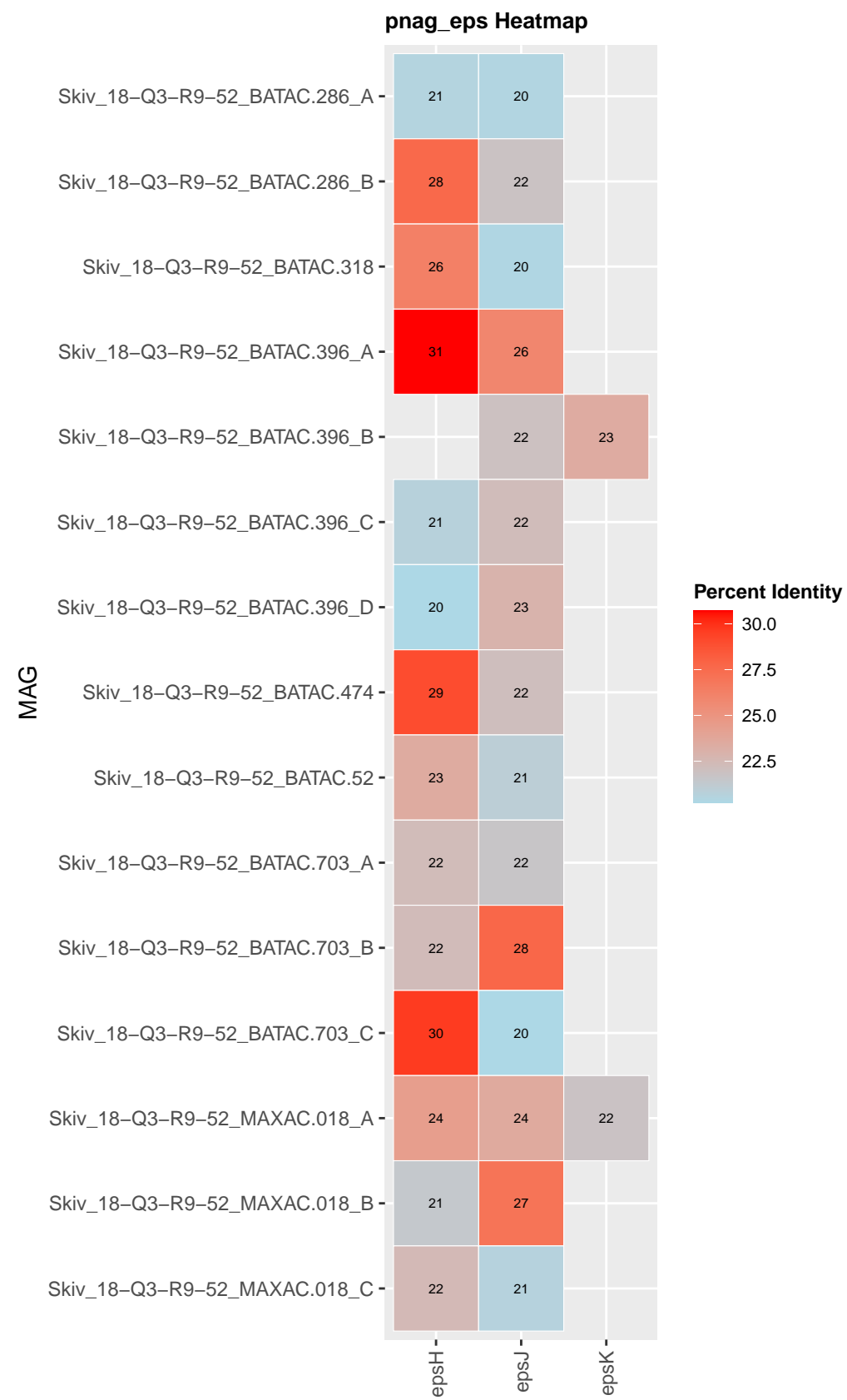


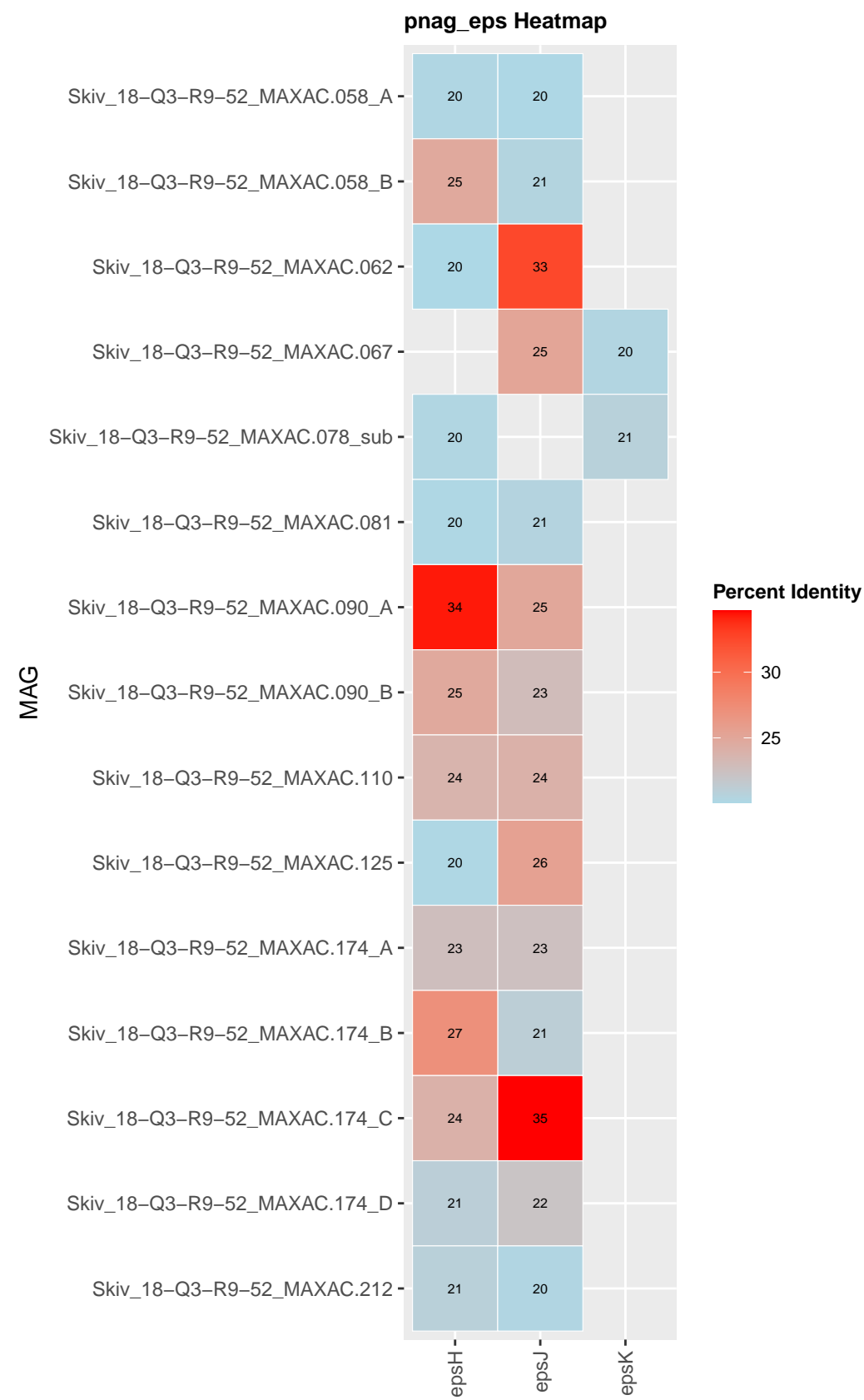


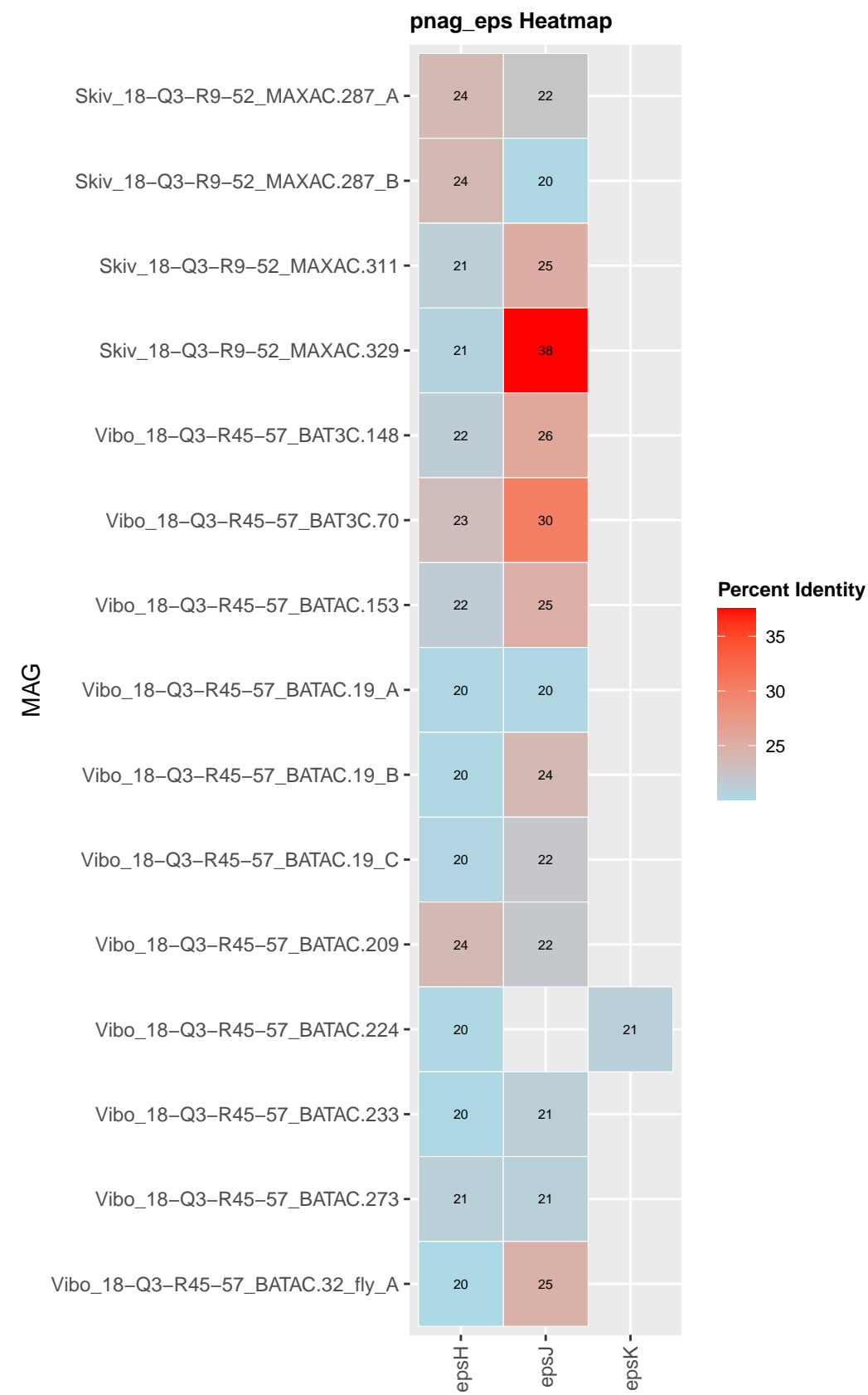


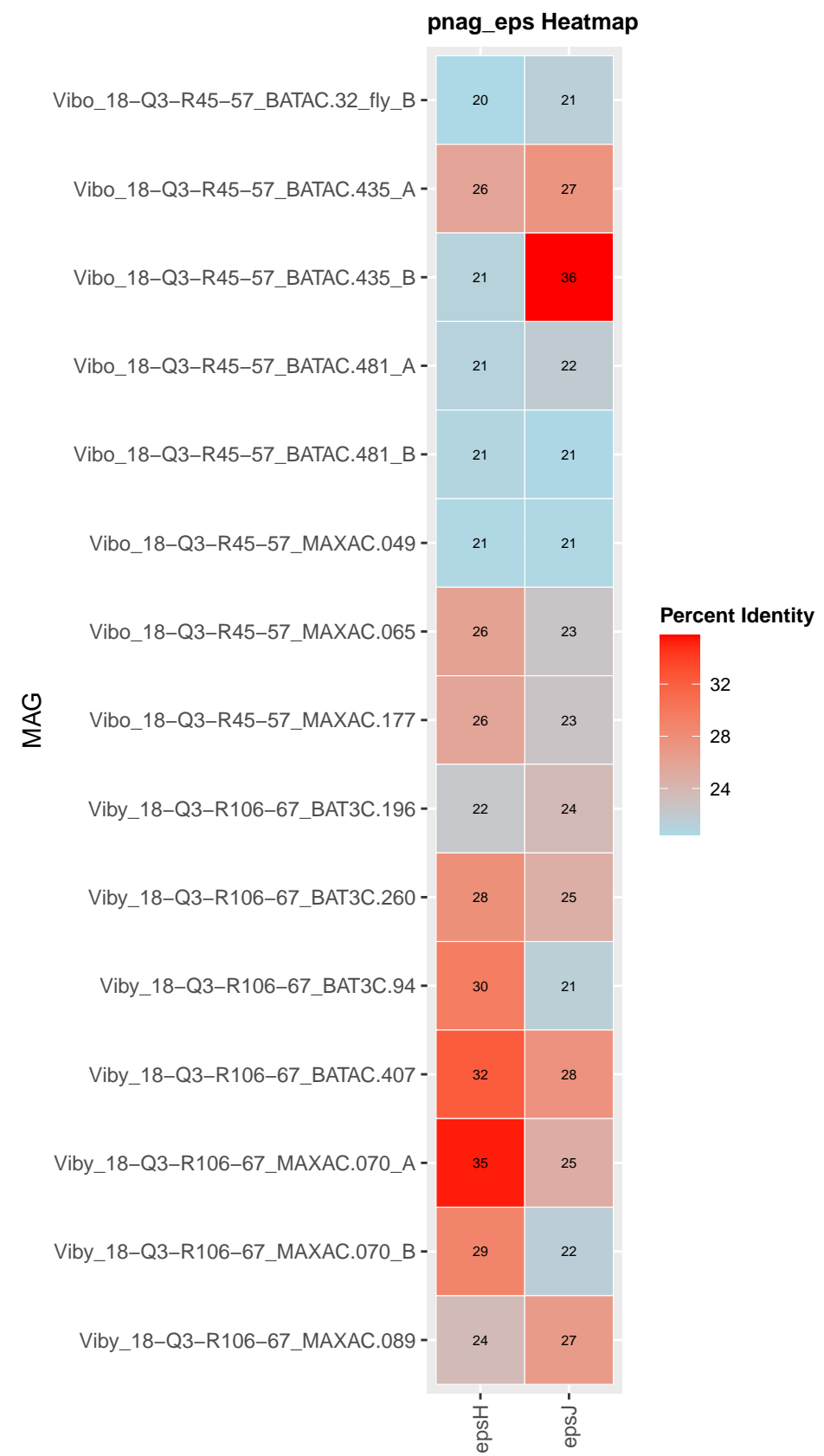








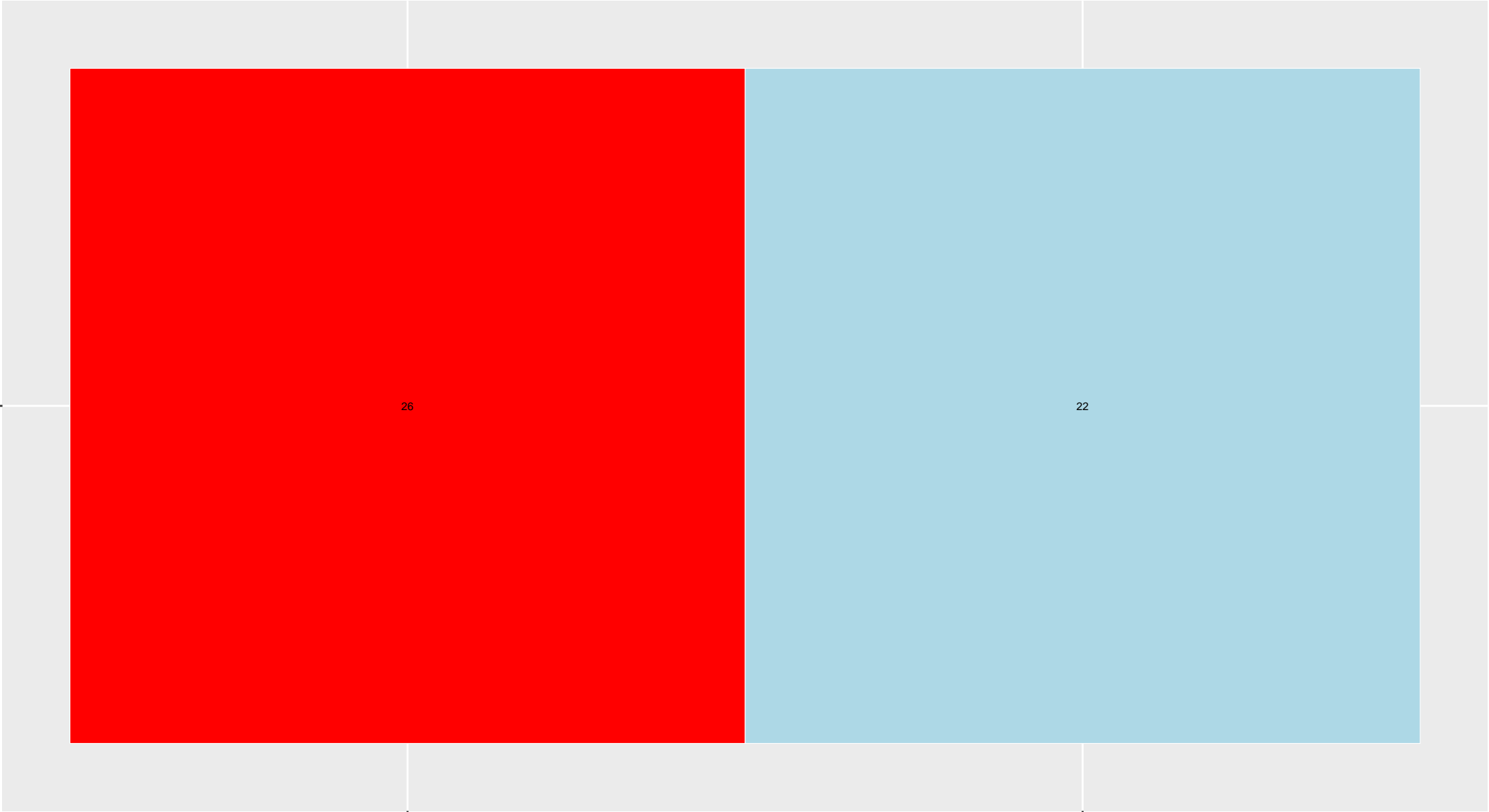




pnag_eps Heatmap

MAG

Viby_18-Q3-R106-67_MAXAC.156



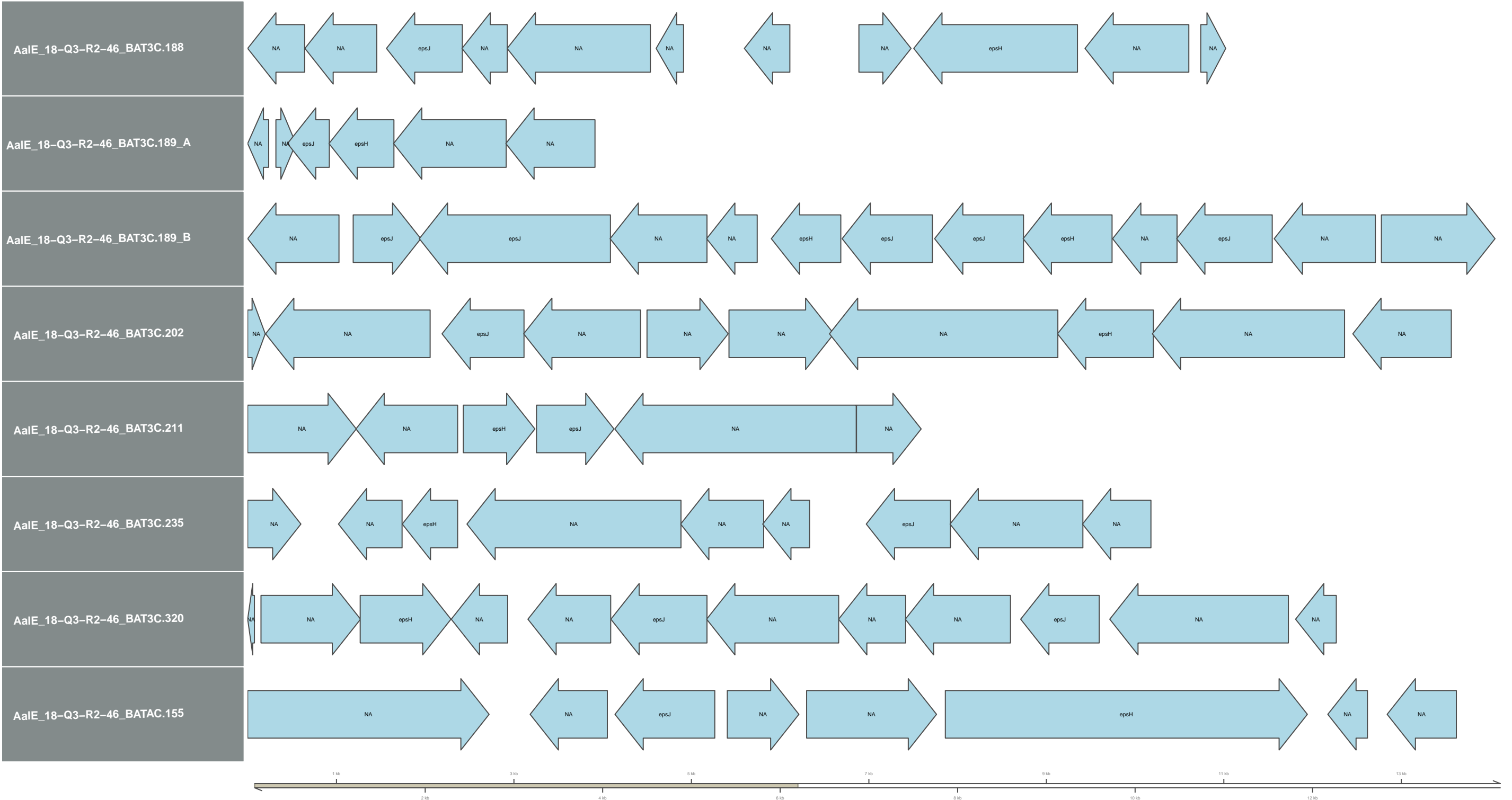
epsl

epsl

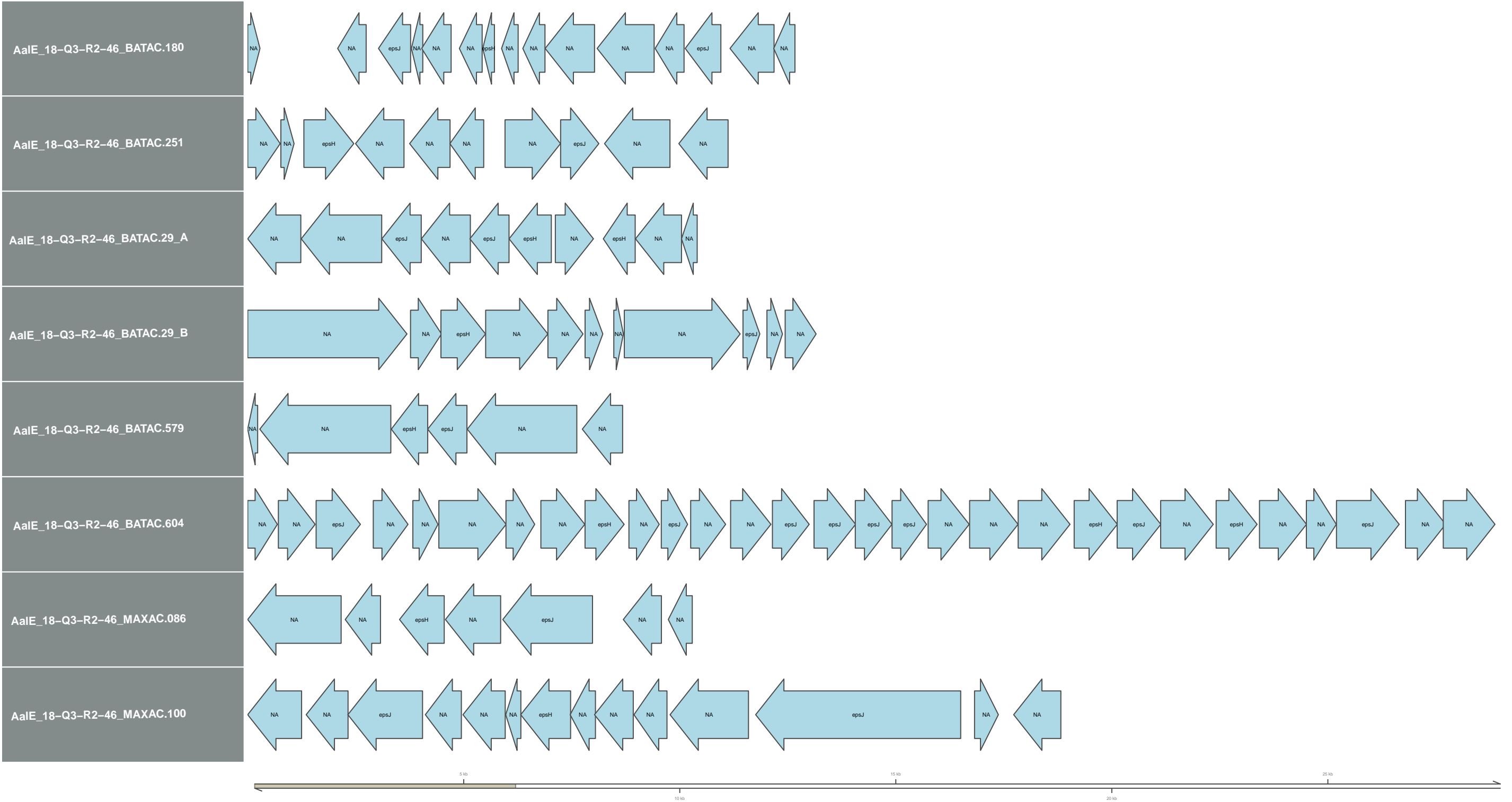
Percent Identity



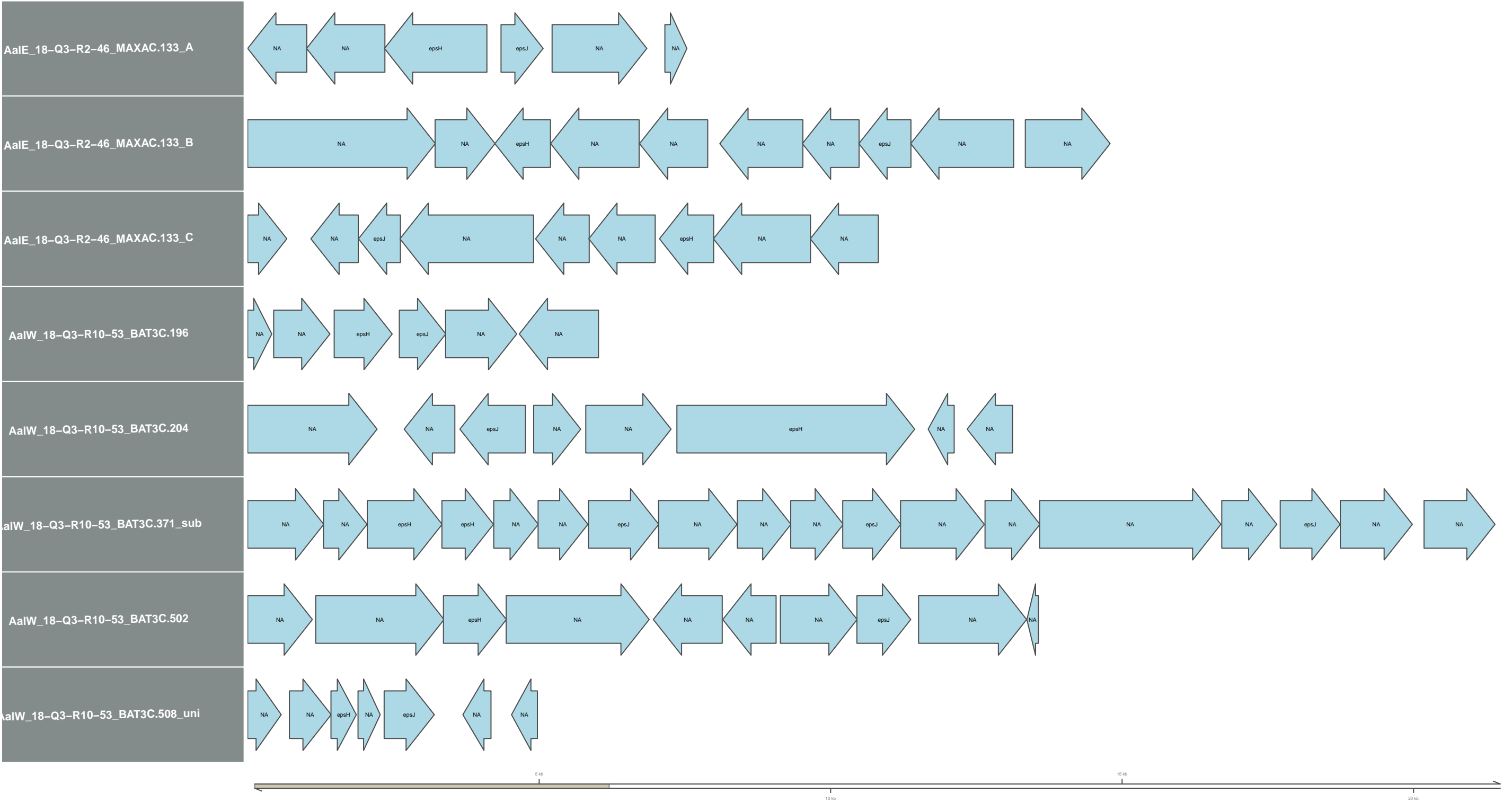
pnag_eps



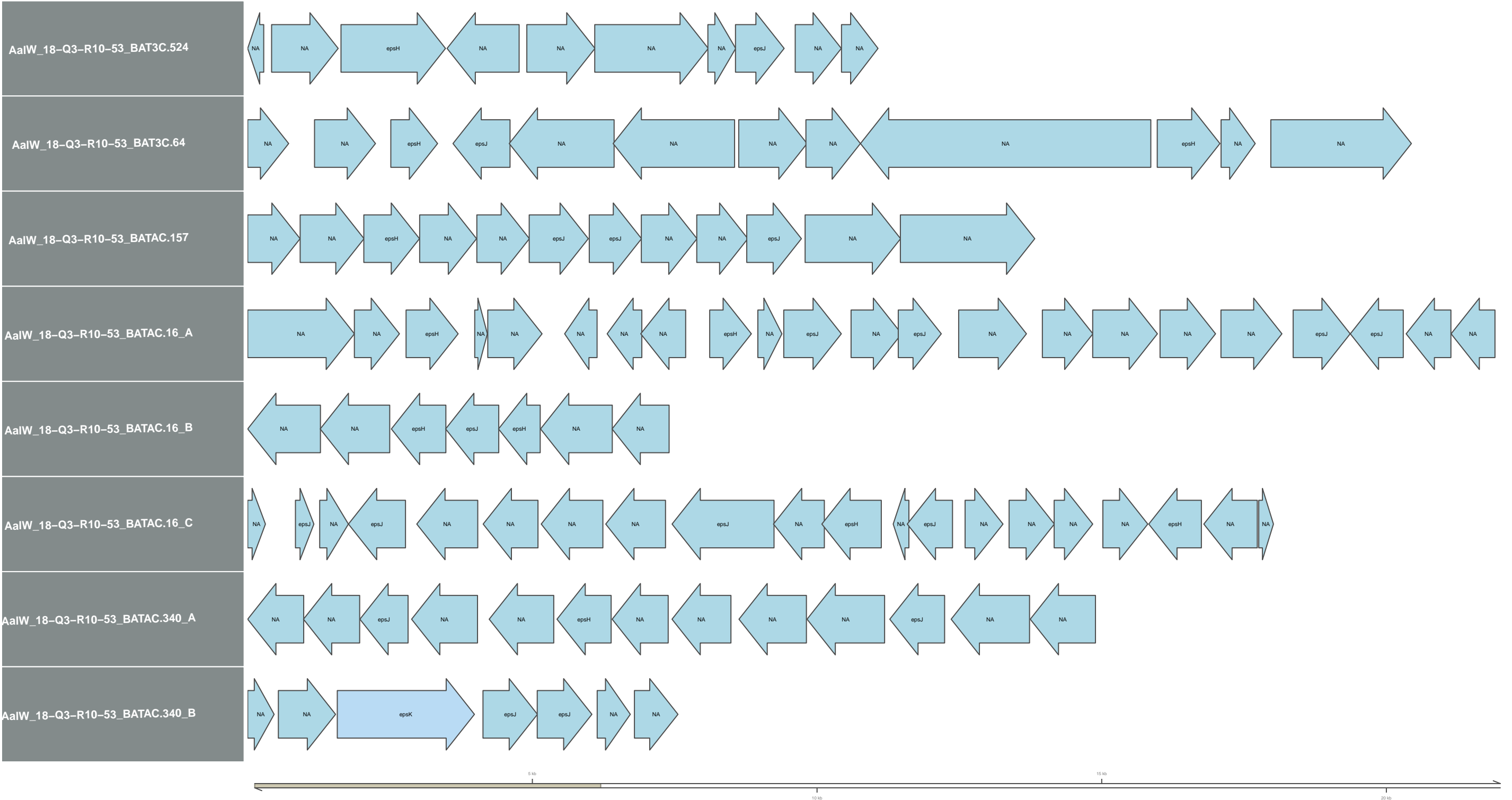
pnag_eps



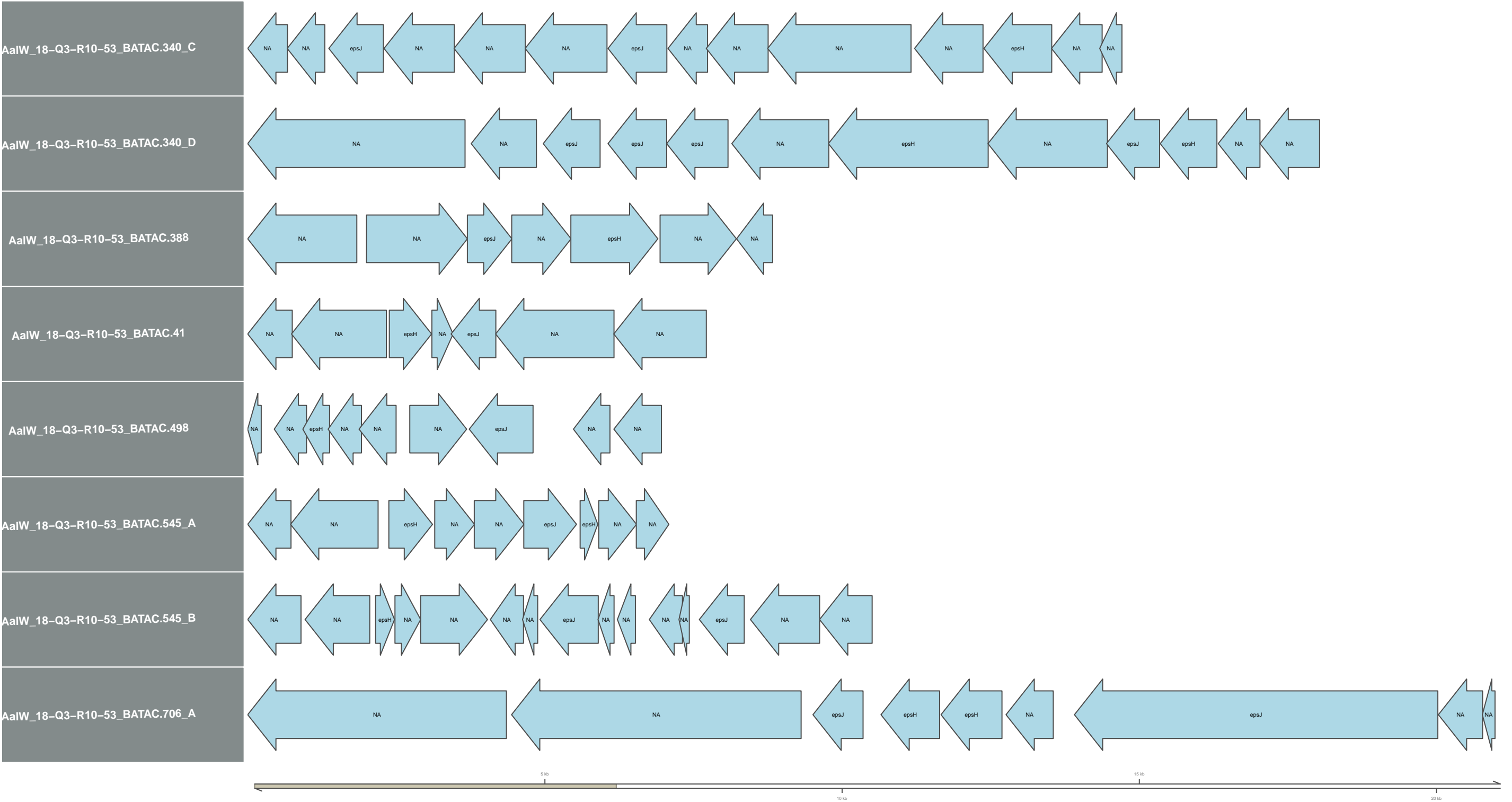
pnag_eps



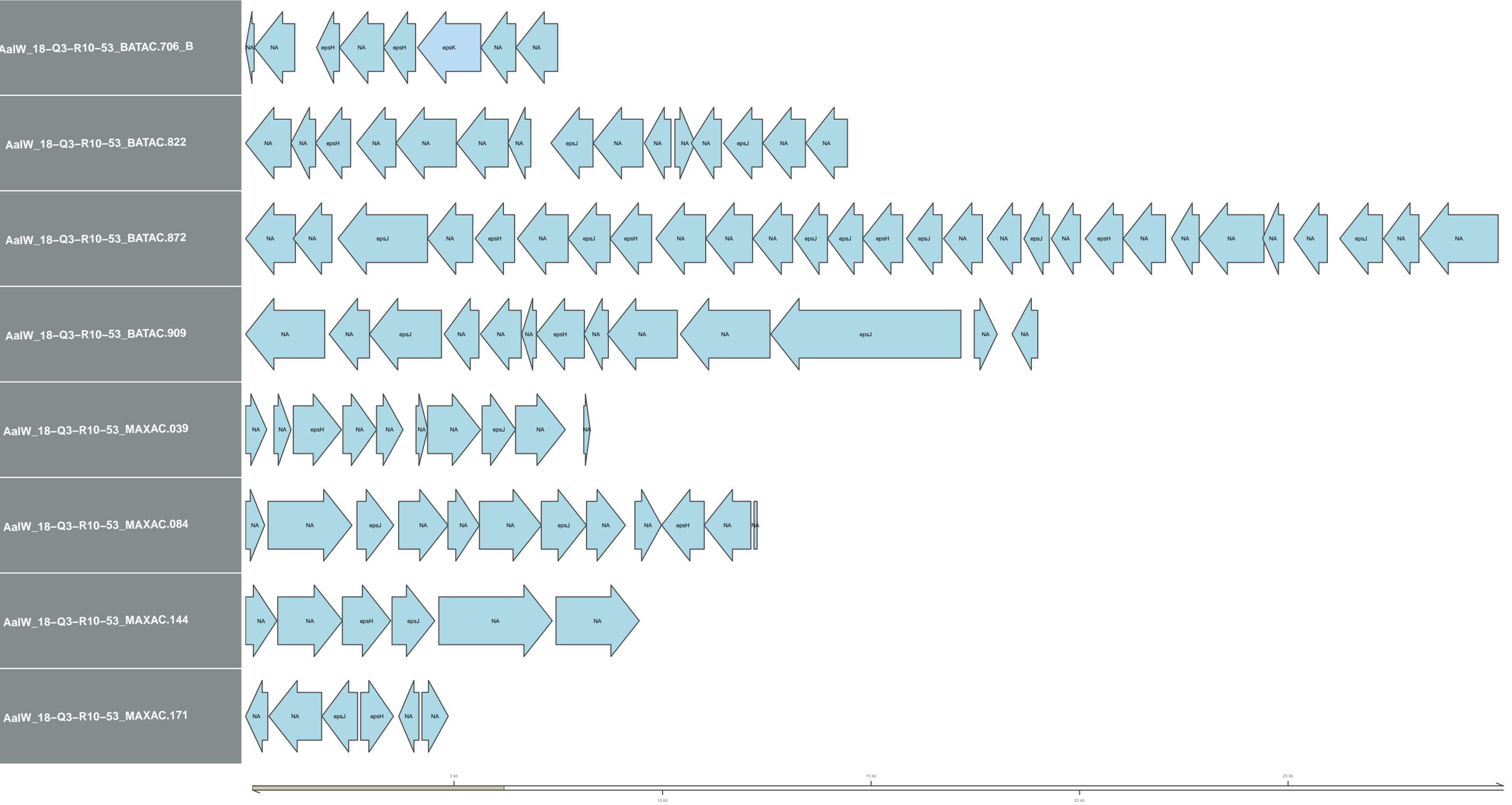
pnag_eps



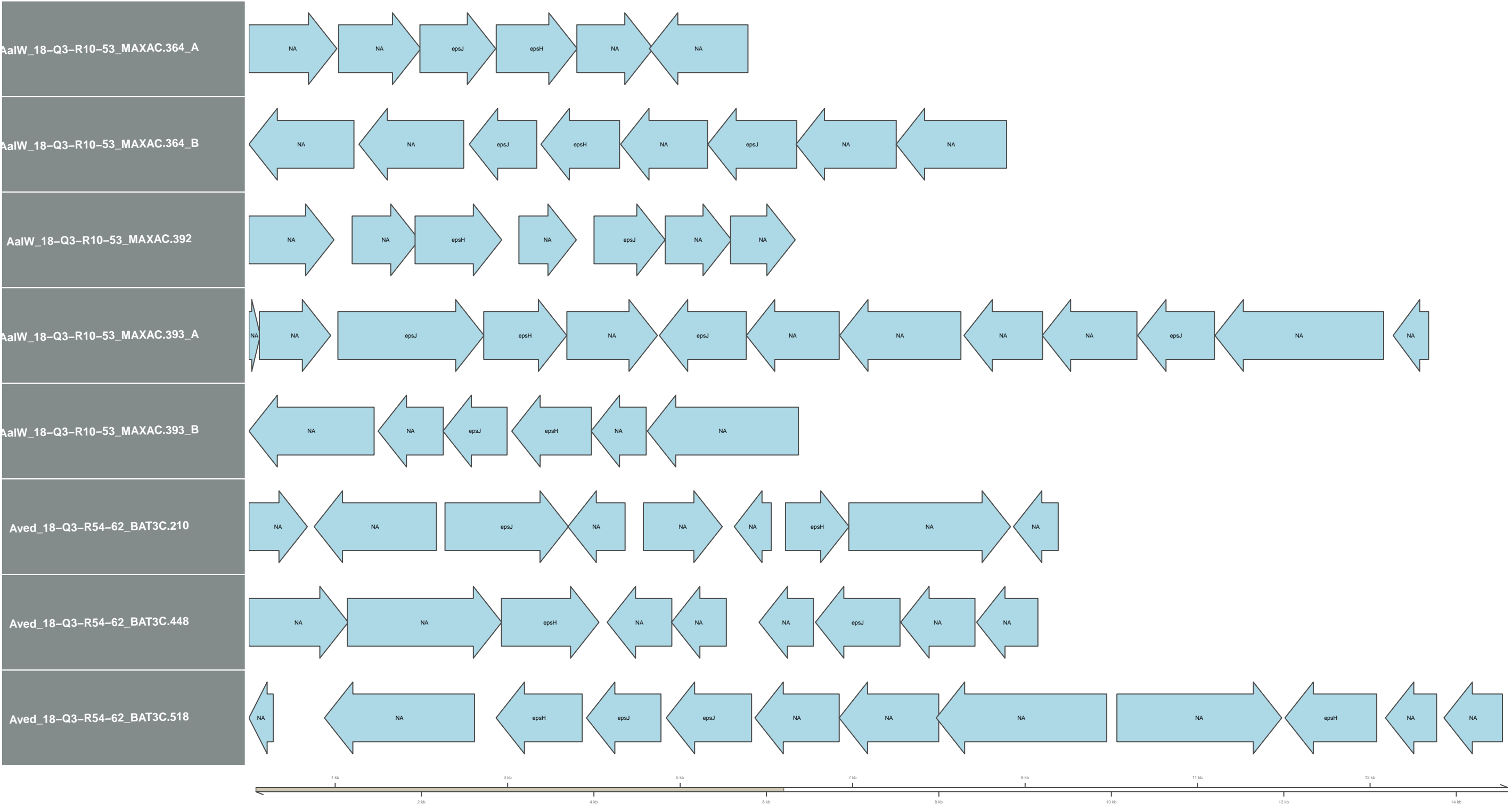
pnag_eps



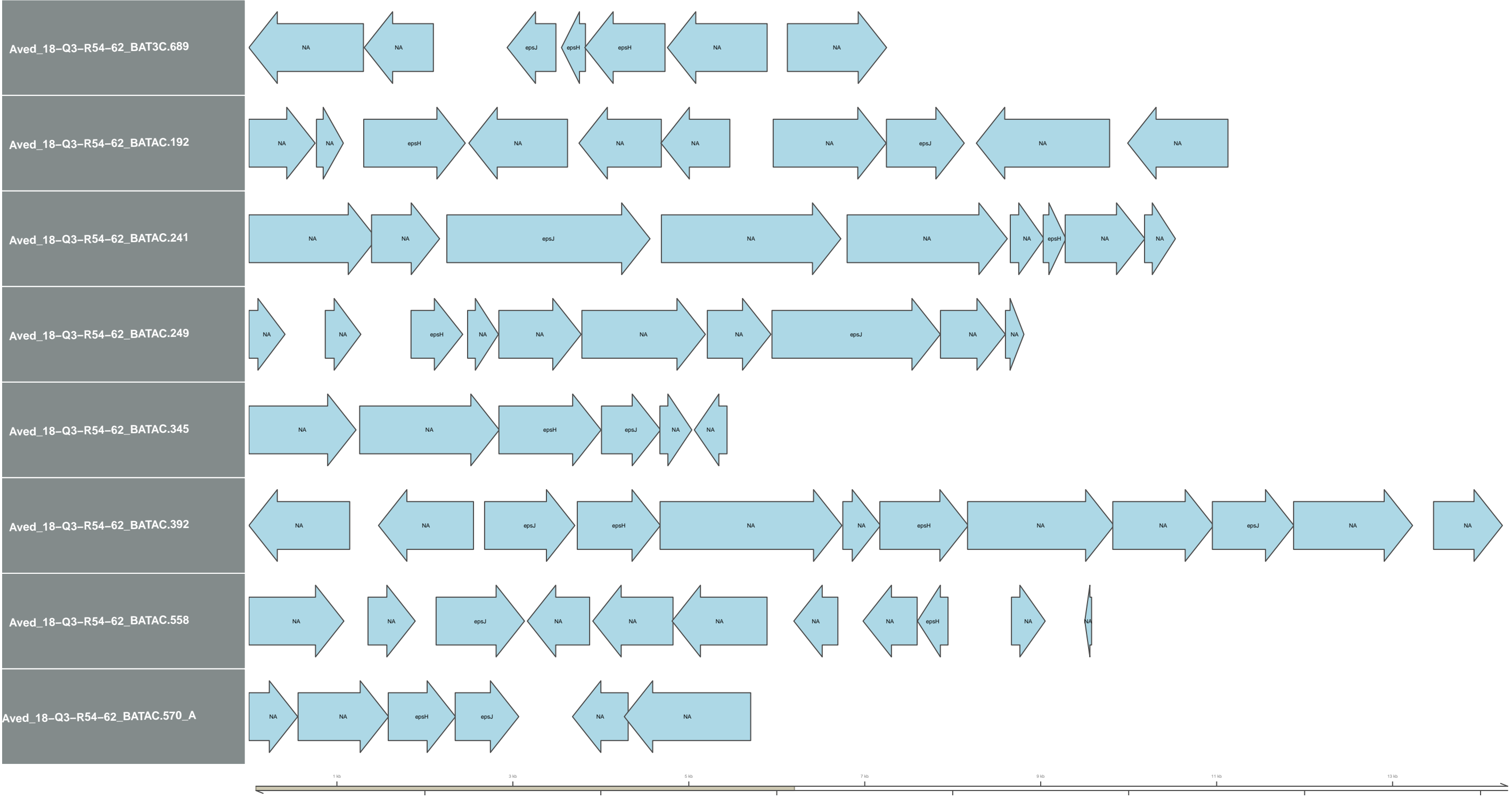
pnag_eps



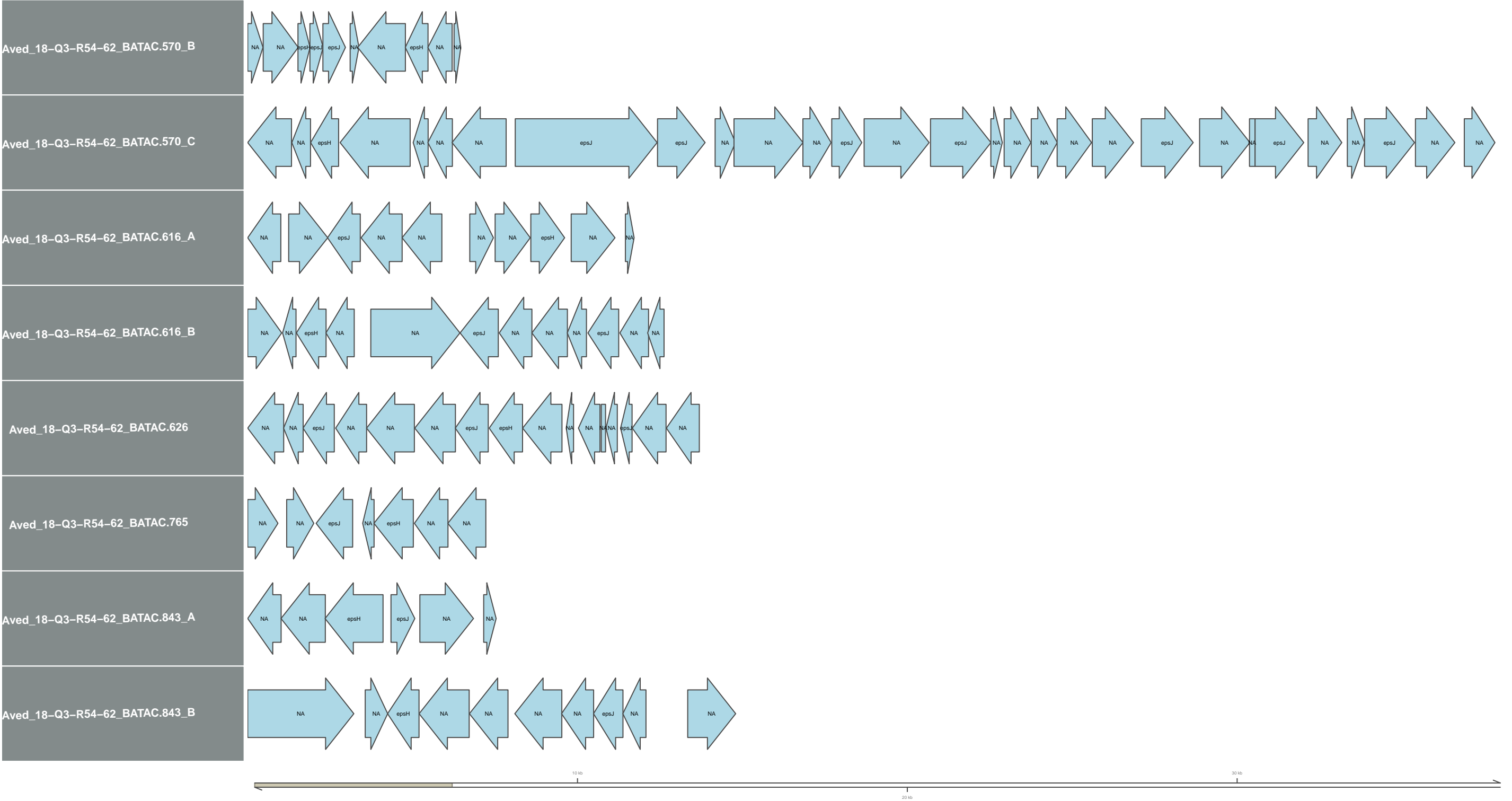
pnag_eps



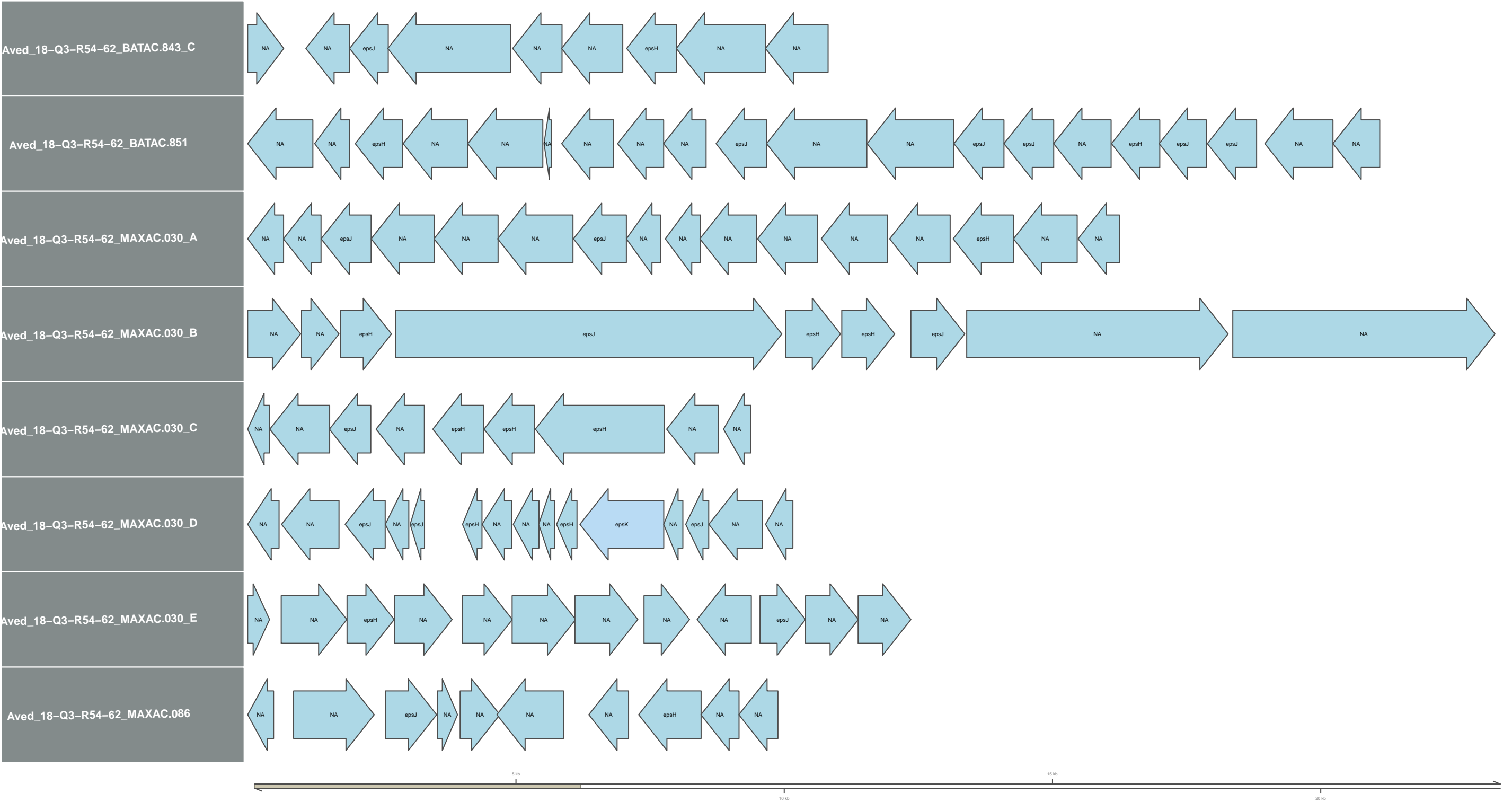
pnag_eps



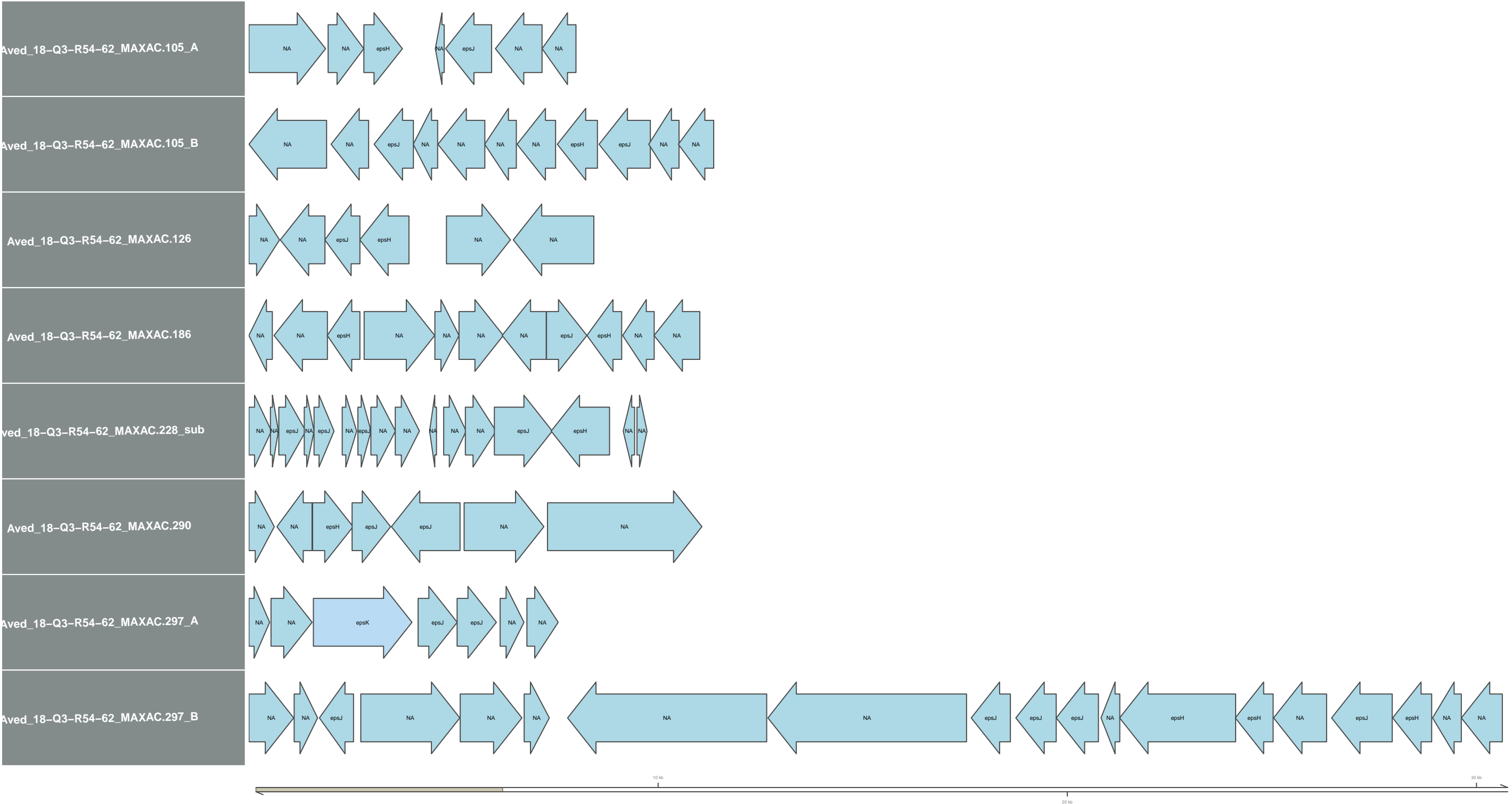
pnag_eps



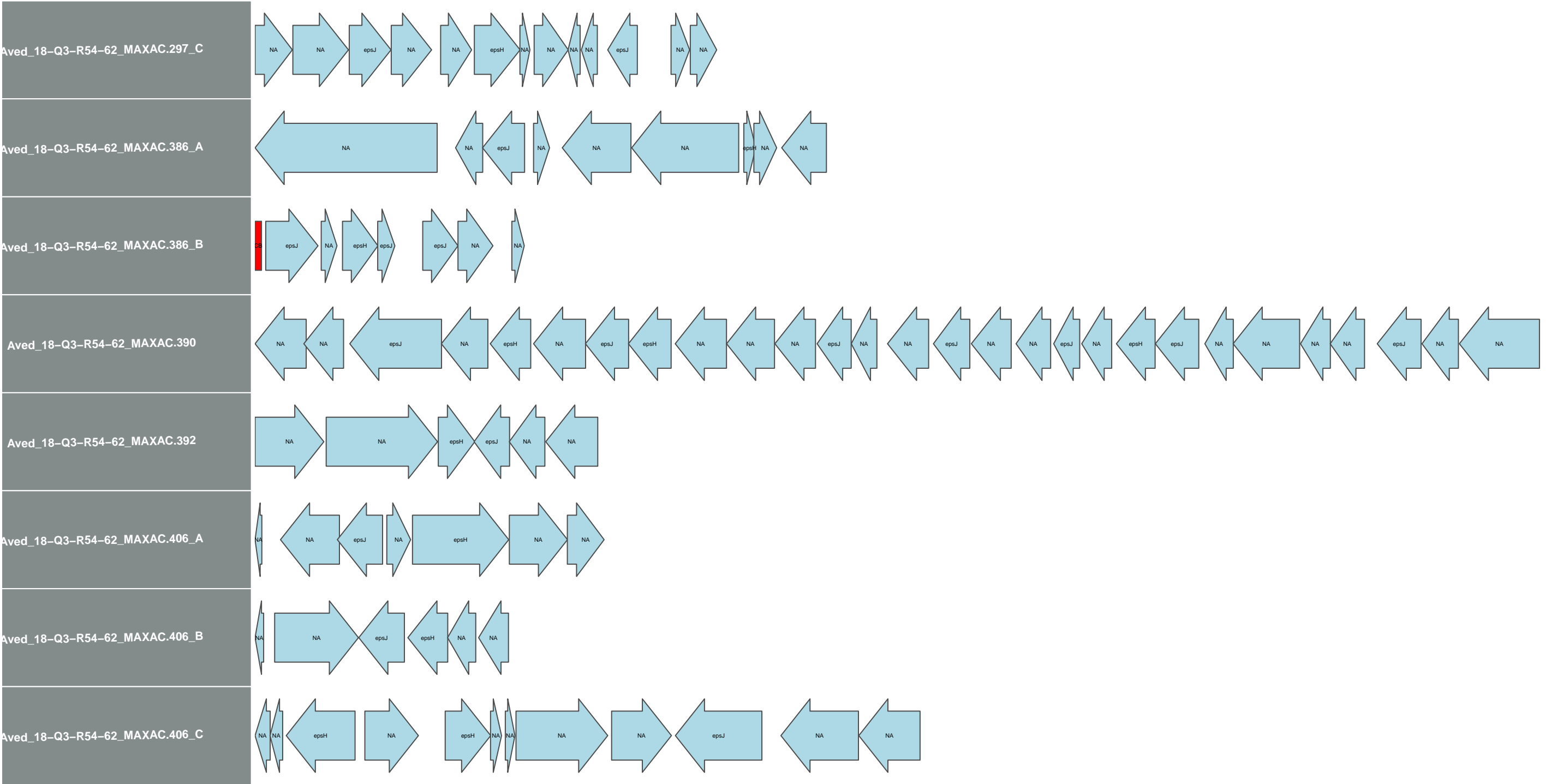
pnag_eps



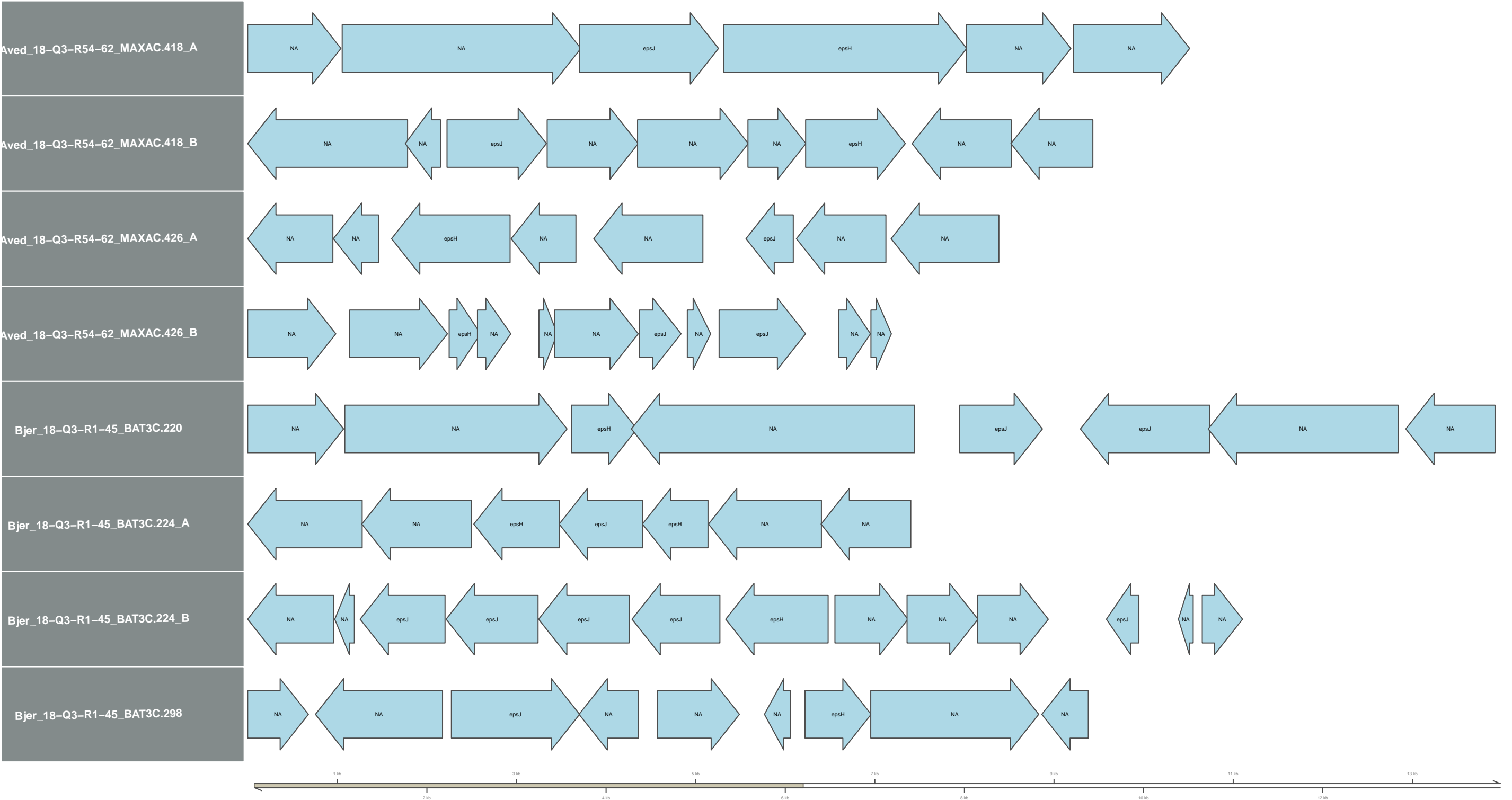
pnag_eps



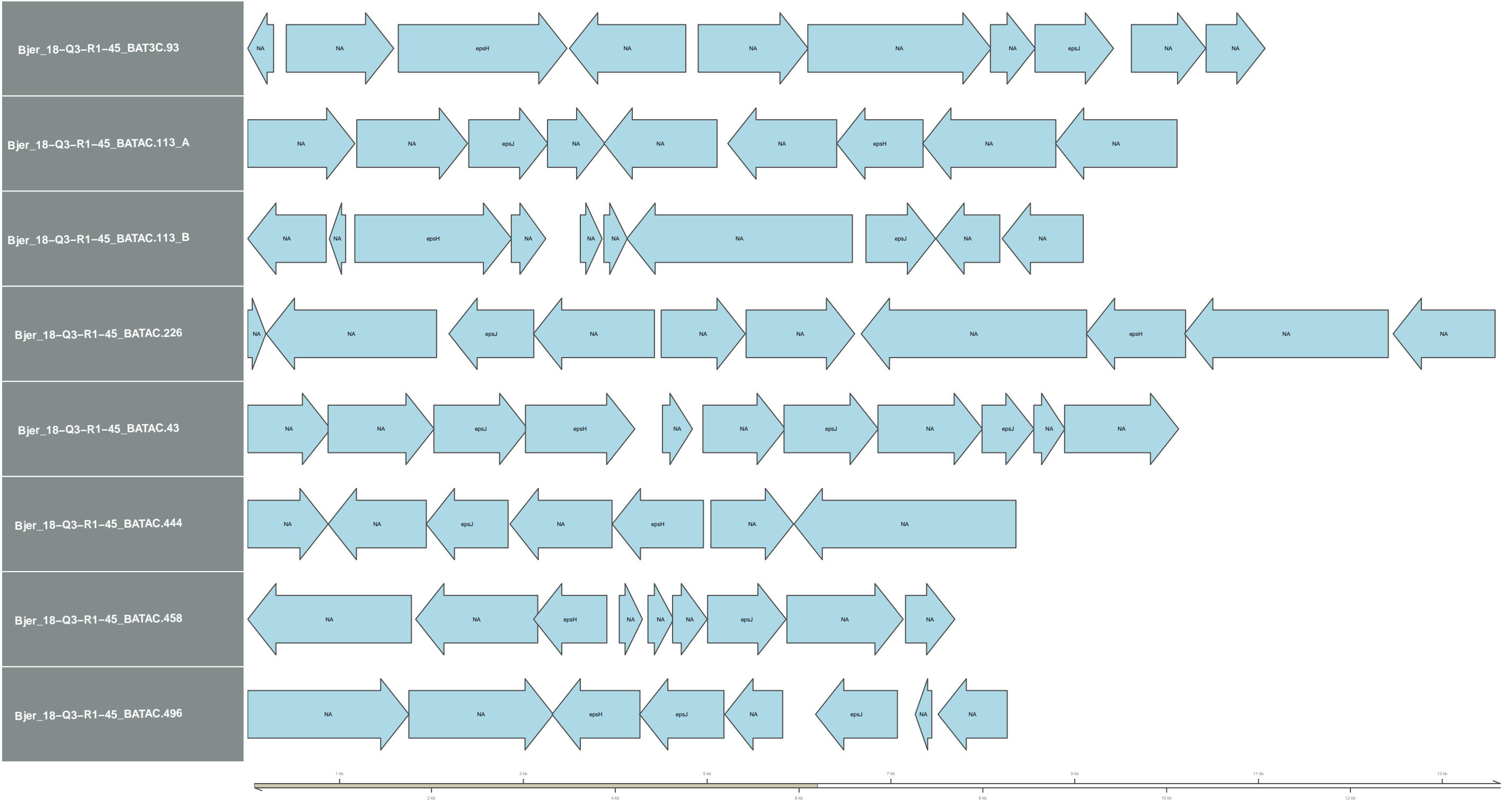
pnag_eps



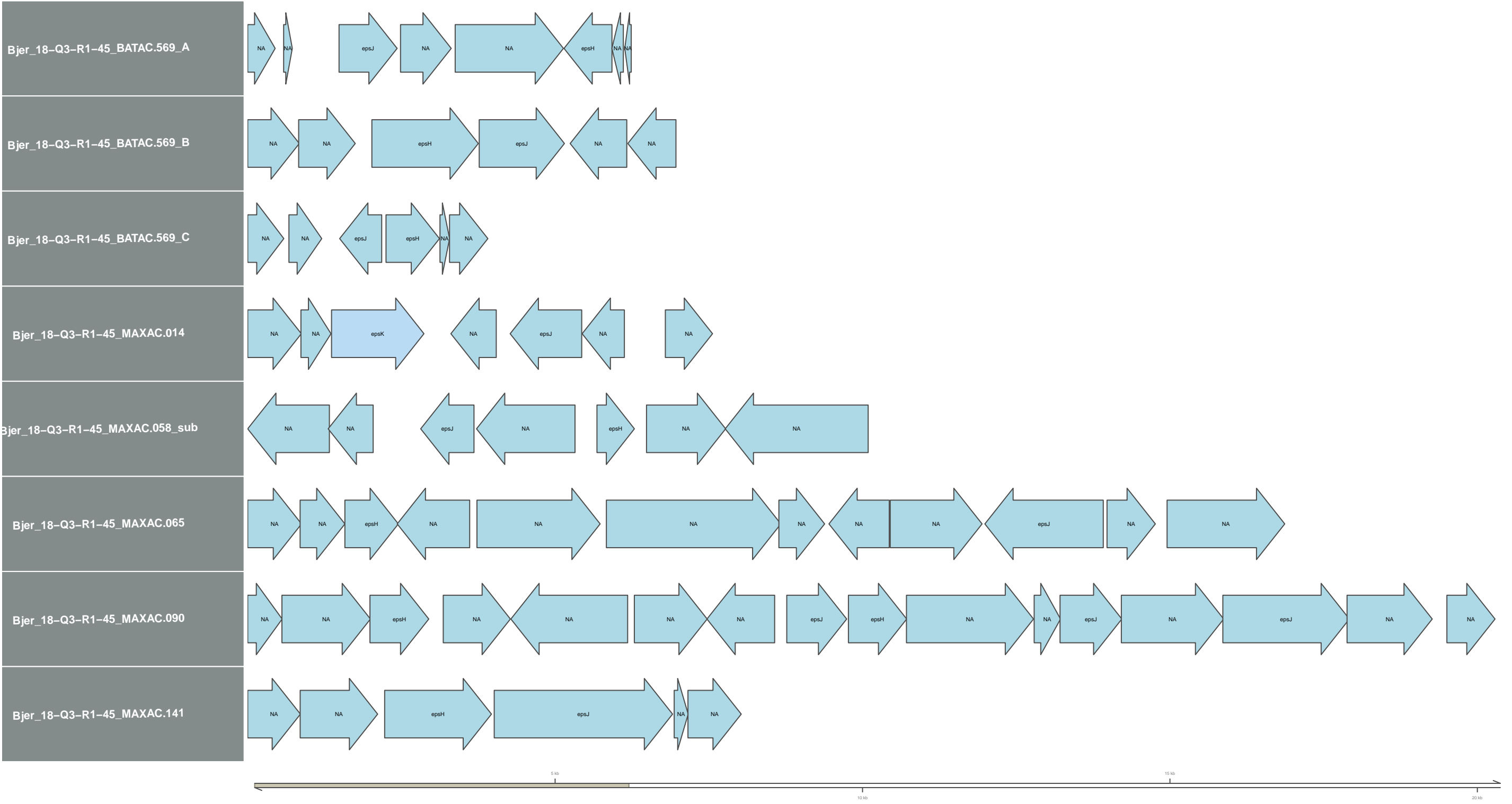
pnag_eps



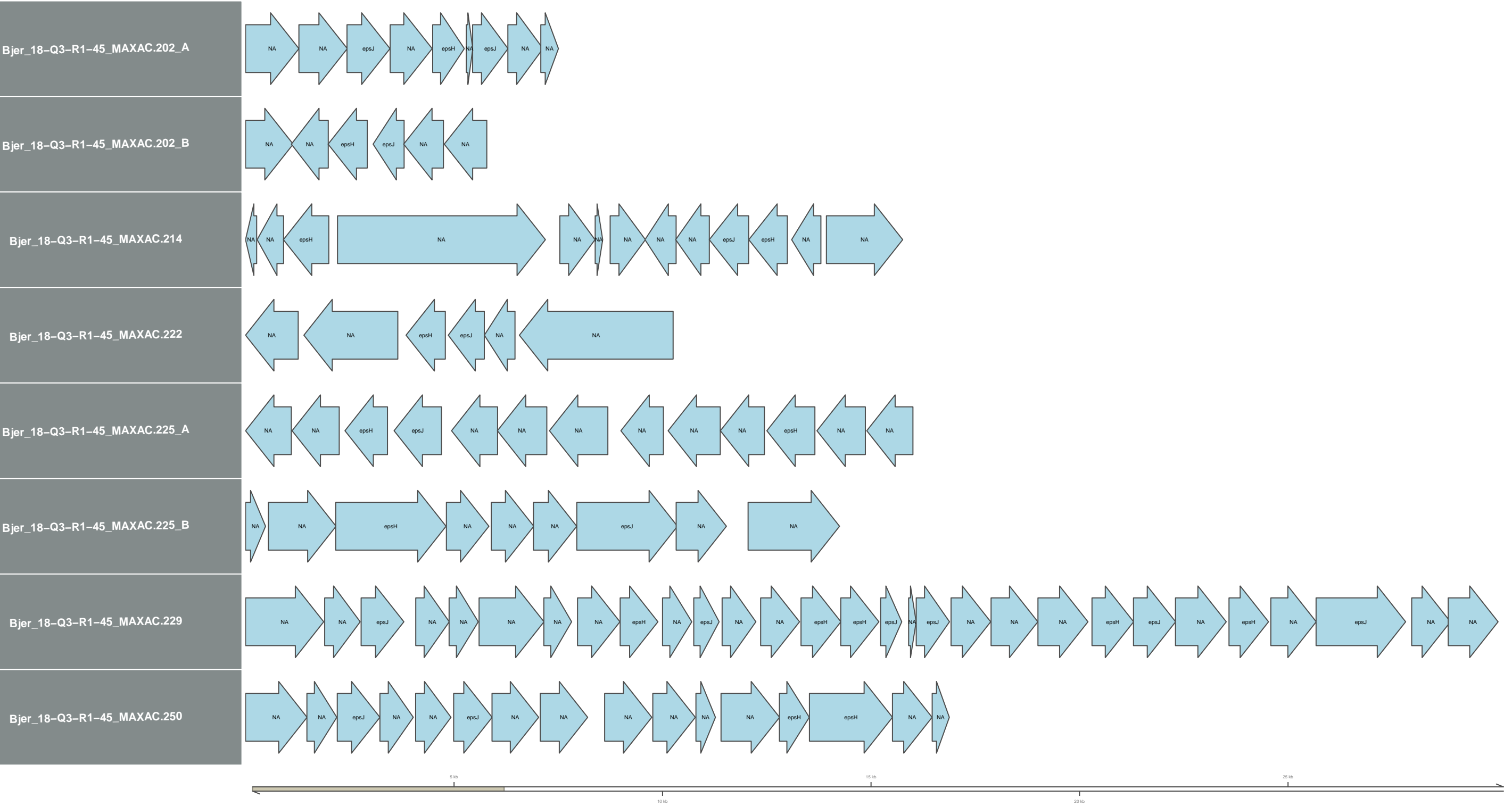
pnag_eps



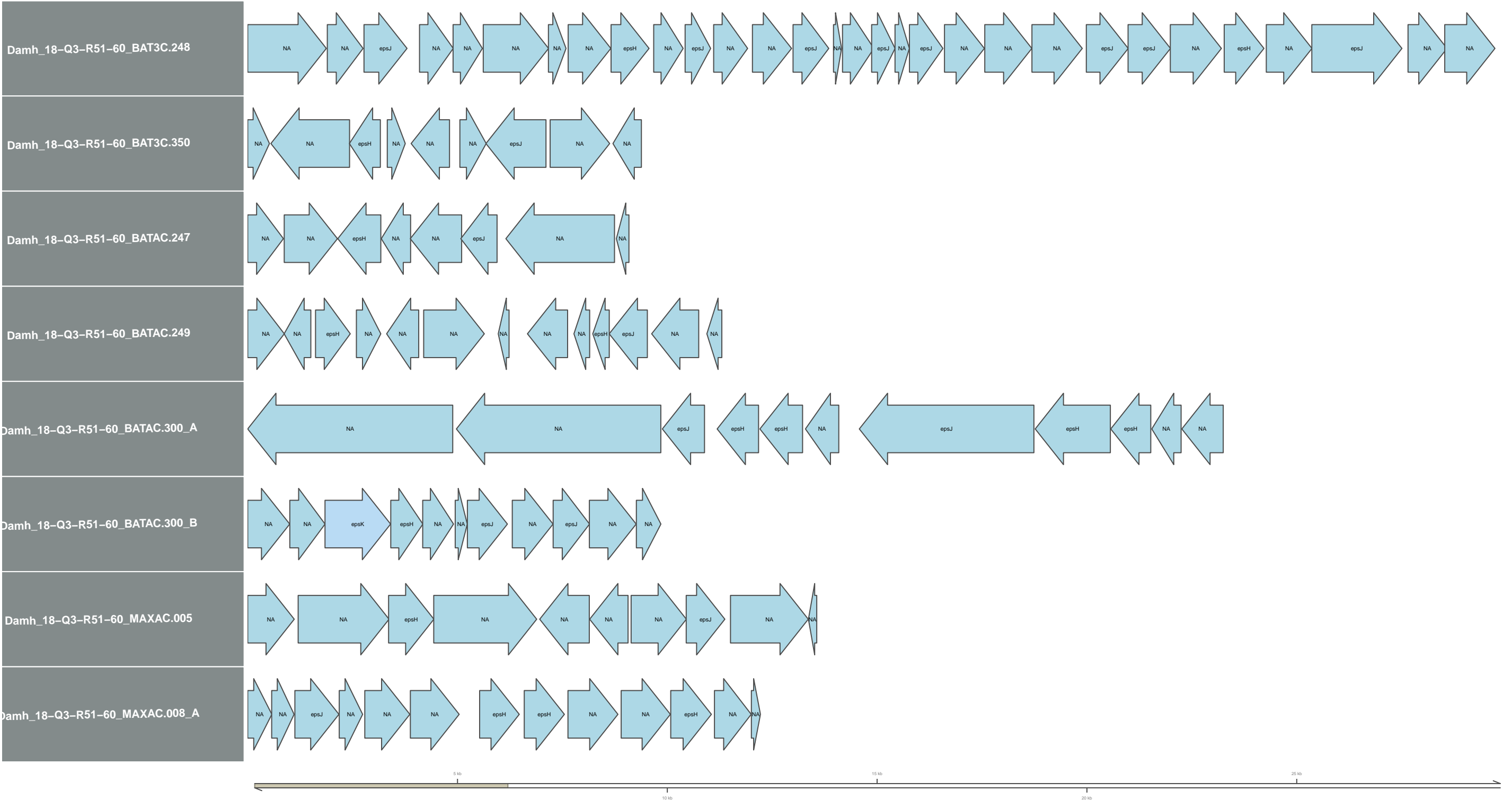
pnag_eps



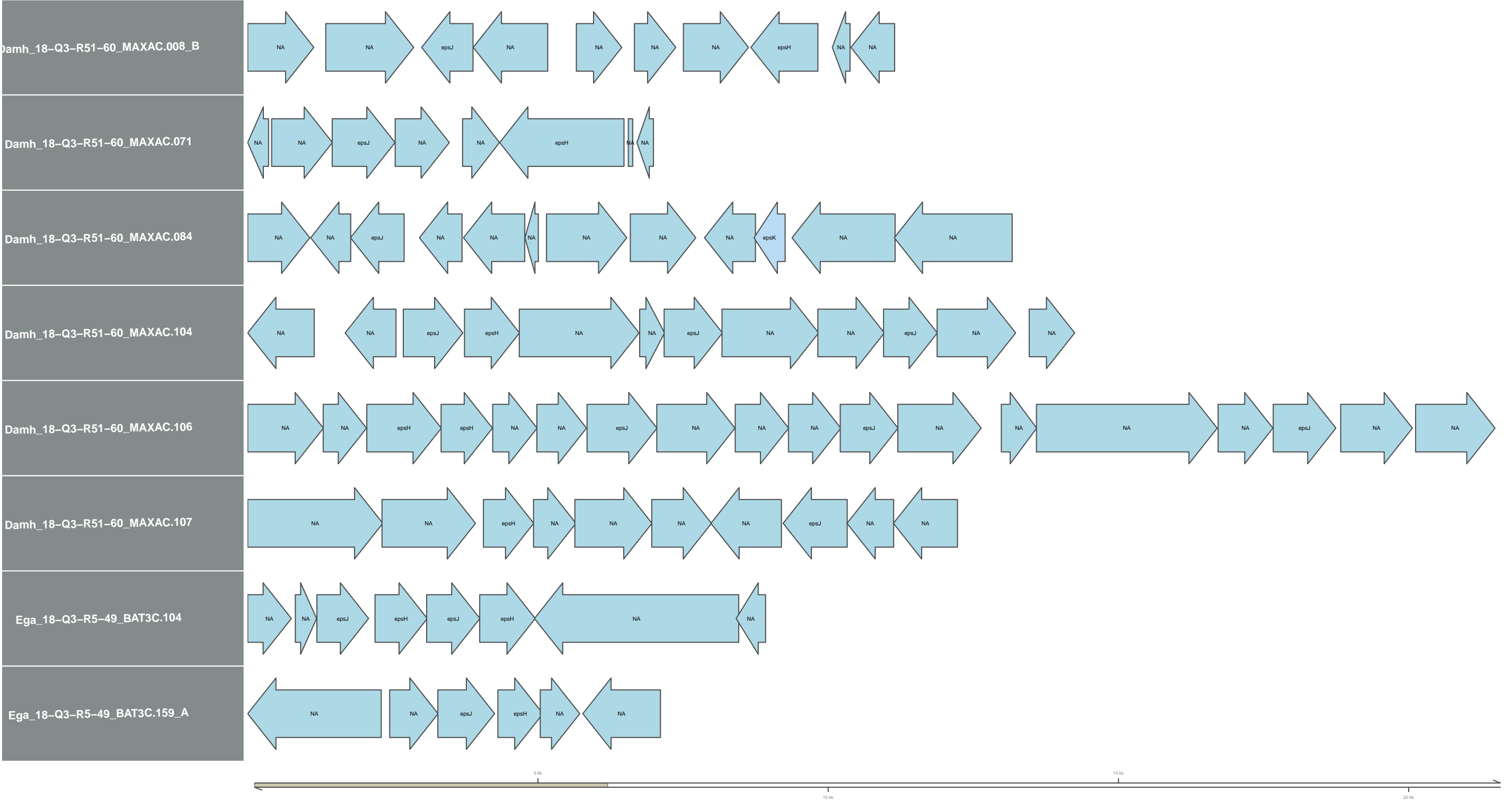
pnag_eps



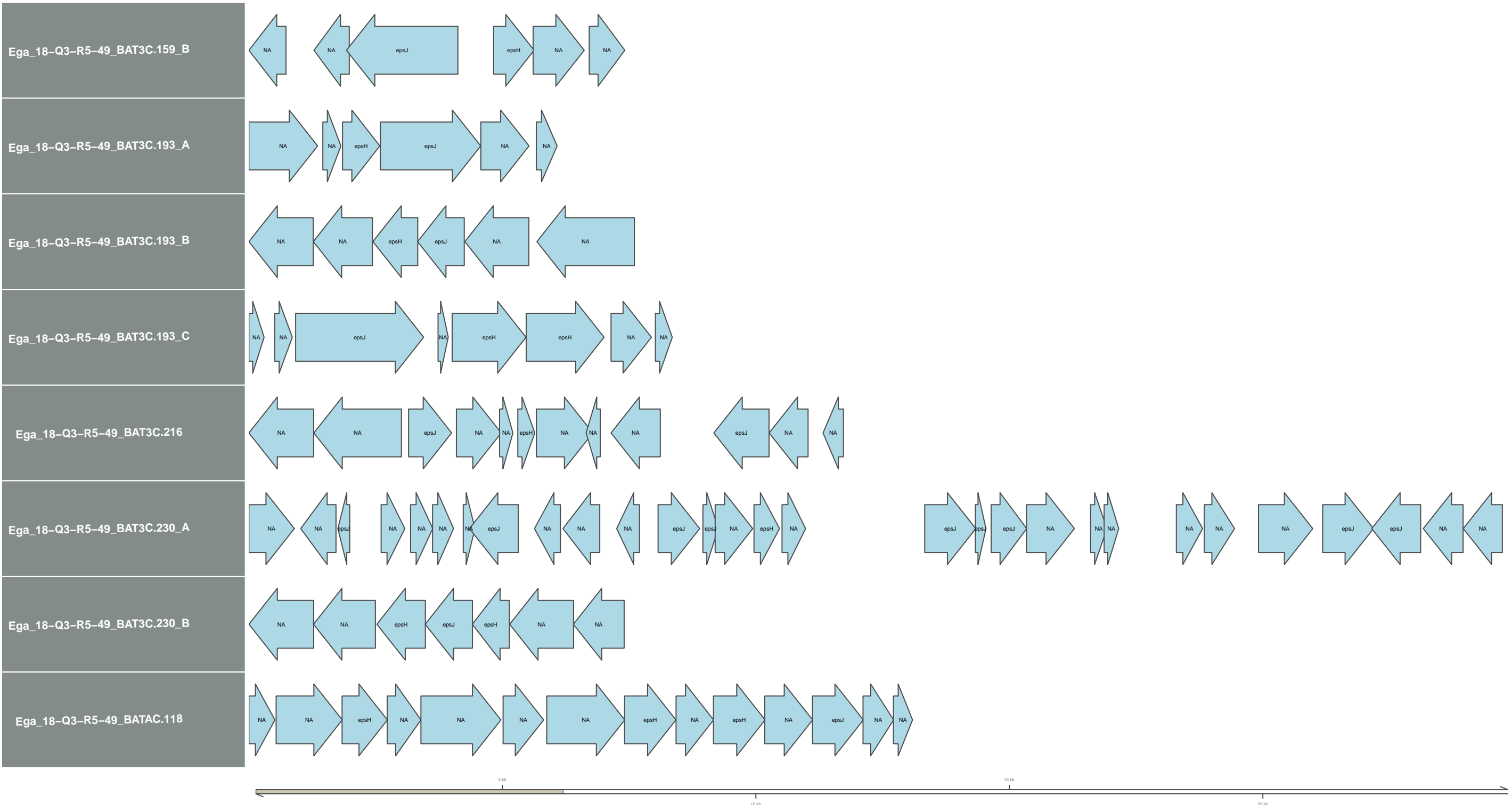
pnag_eps



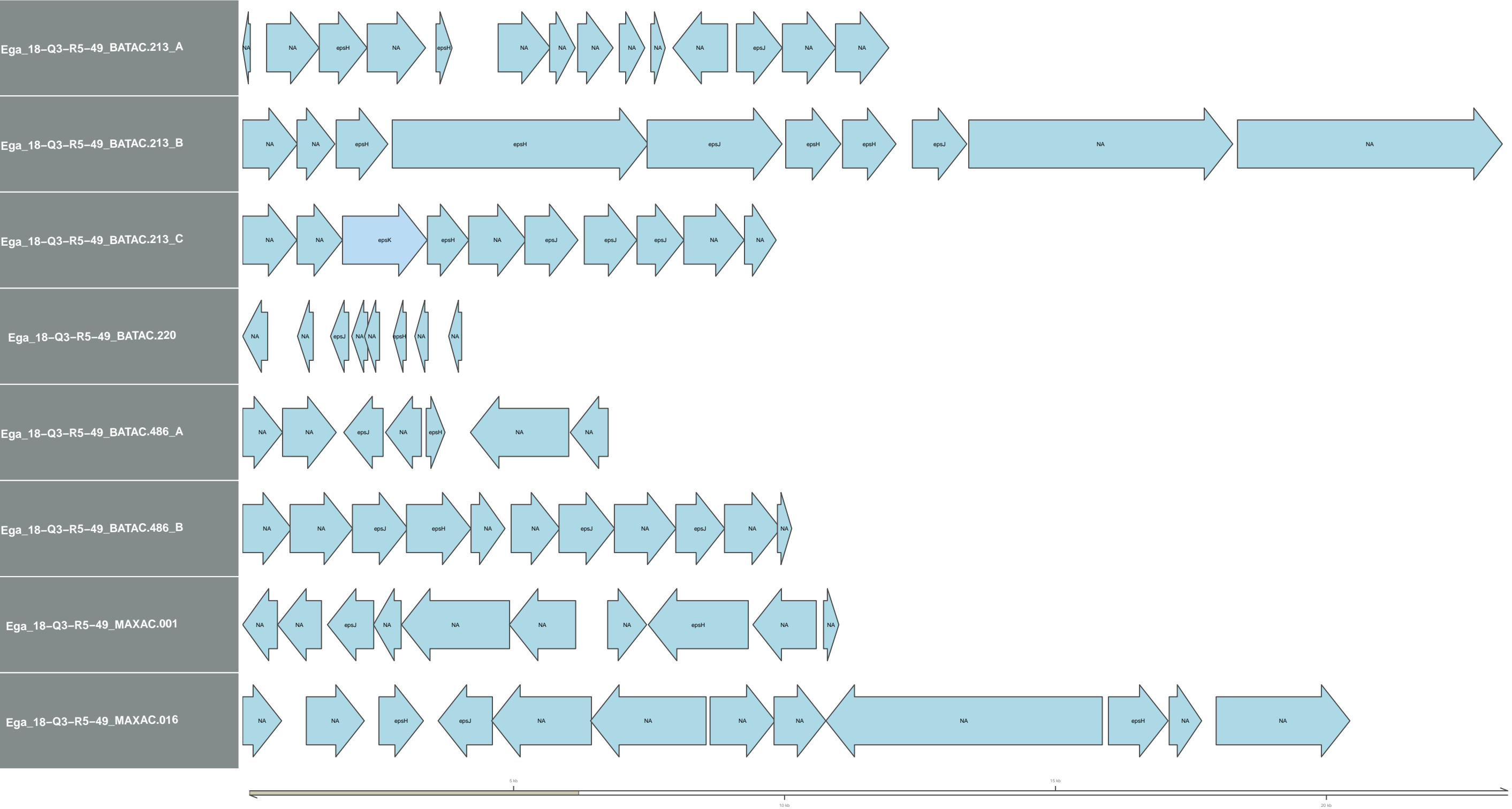
pnag_eps



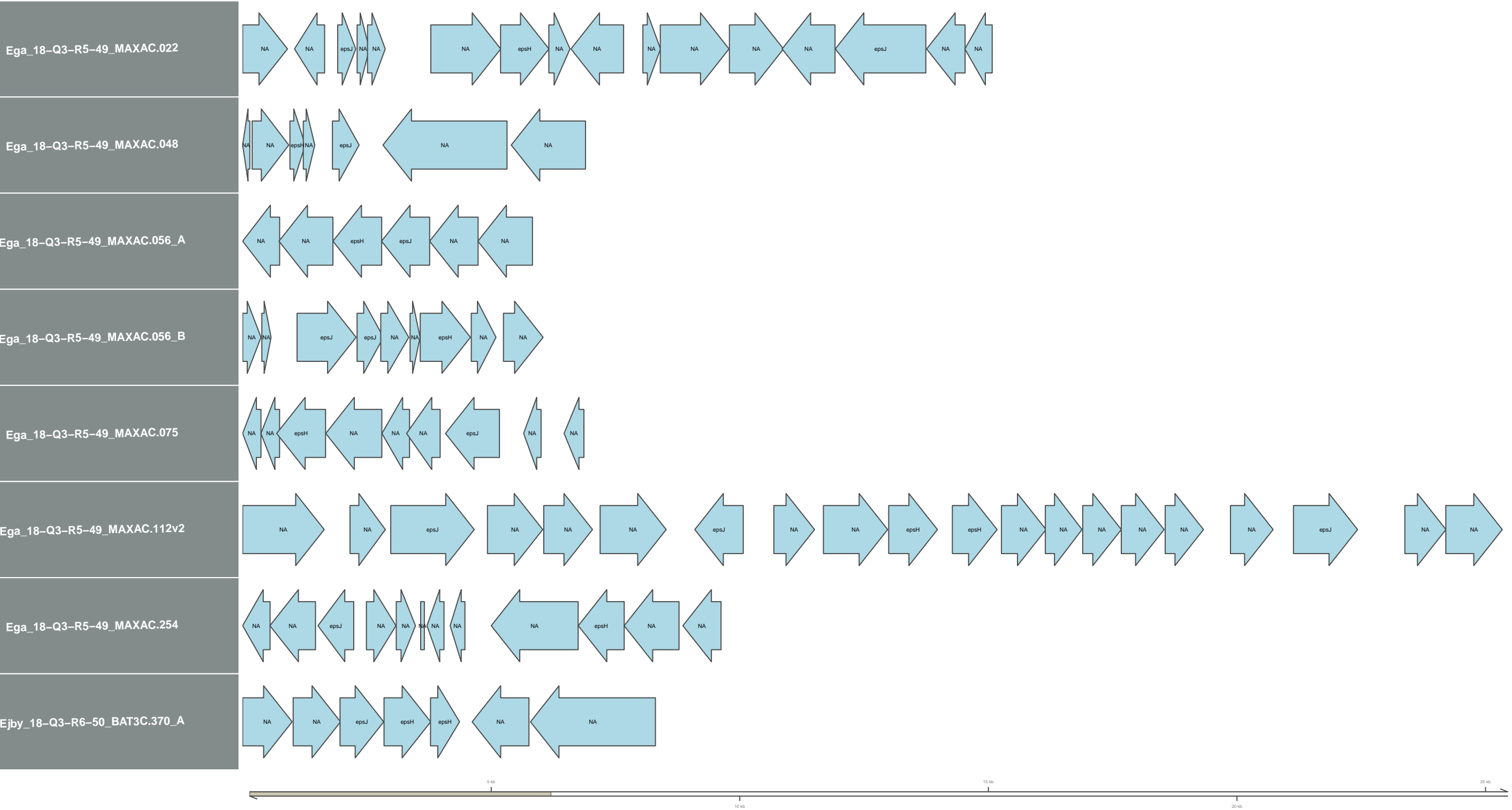
pnag_eps



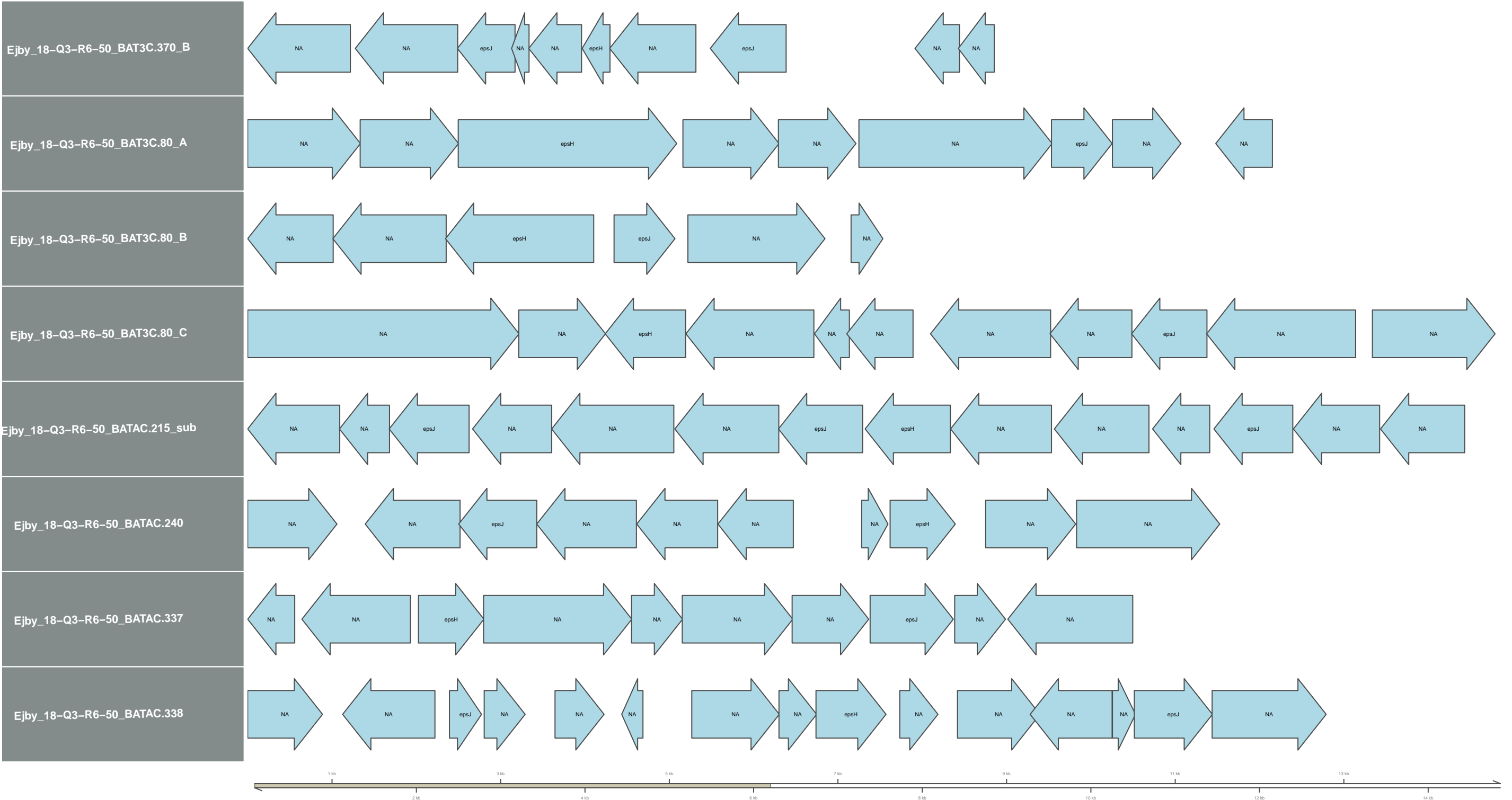
pnag_eps



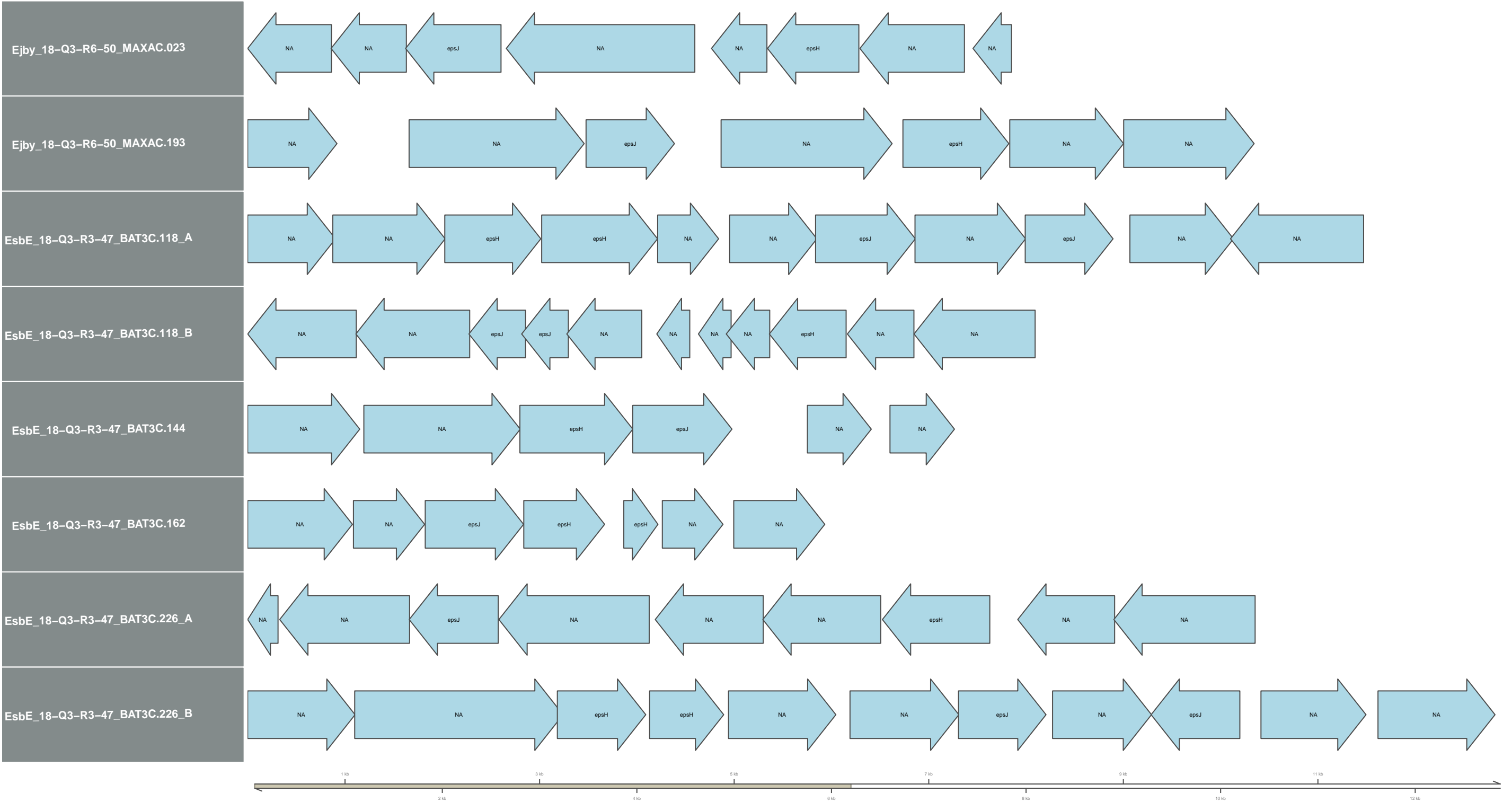
pnag_eps



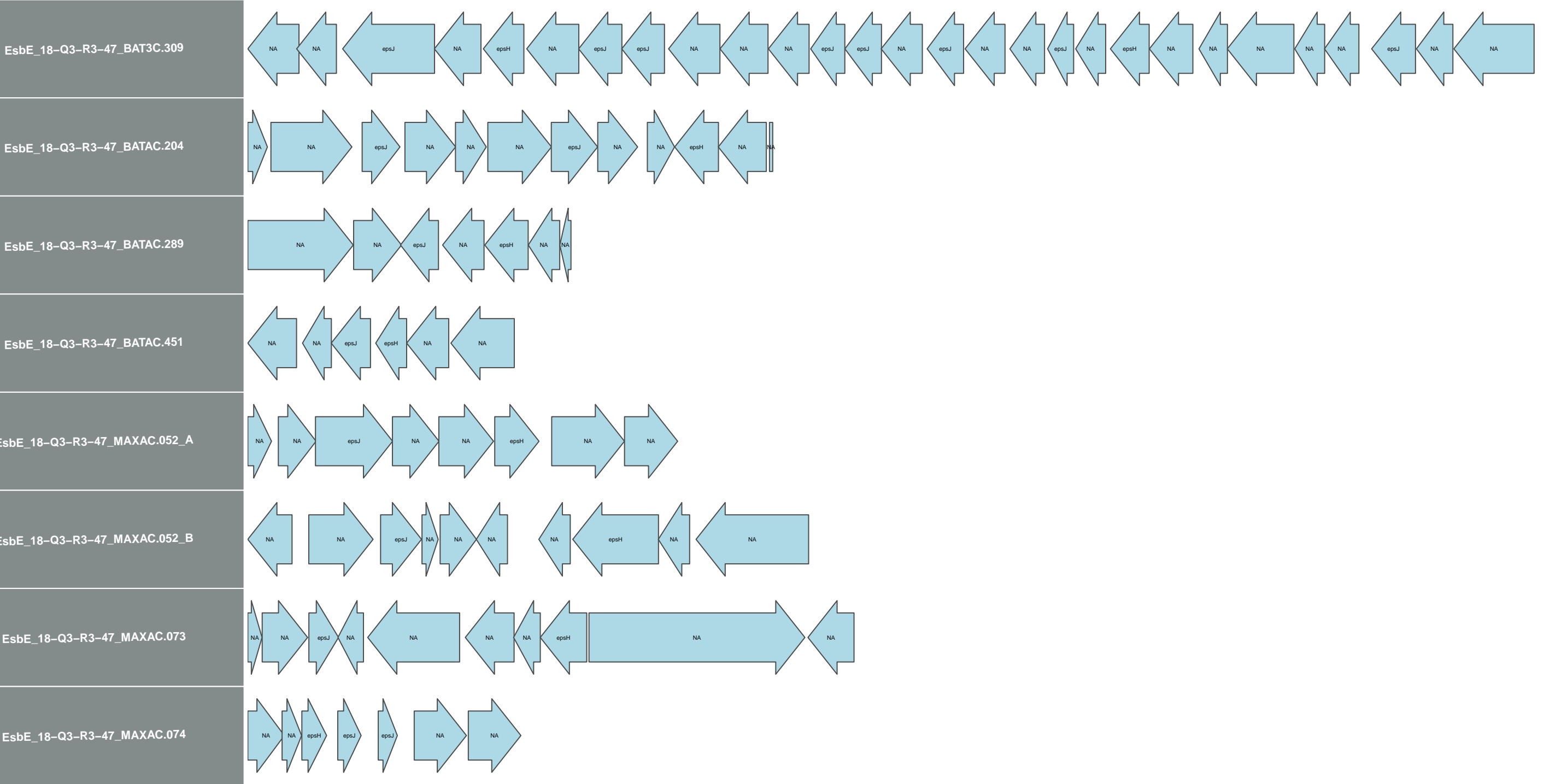
pnag_eps



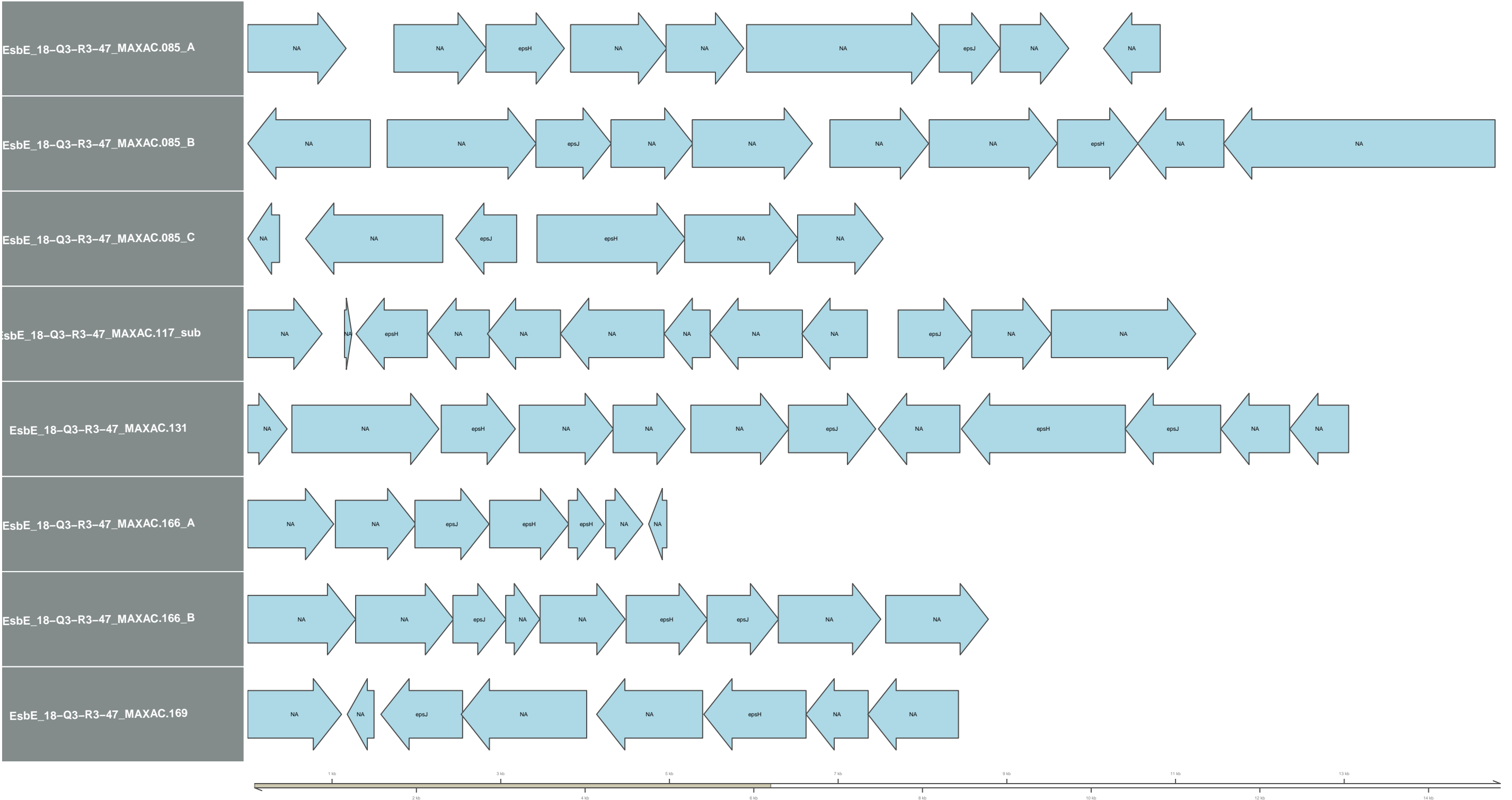
pnag_eps



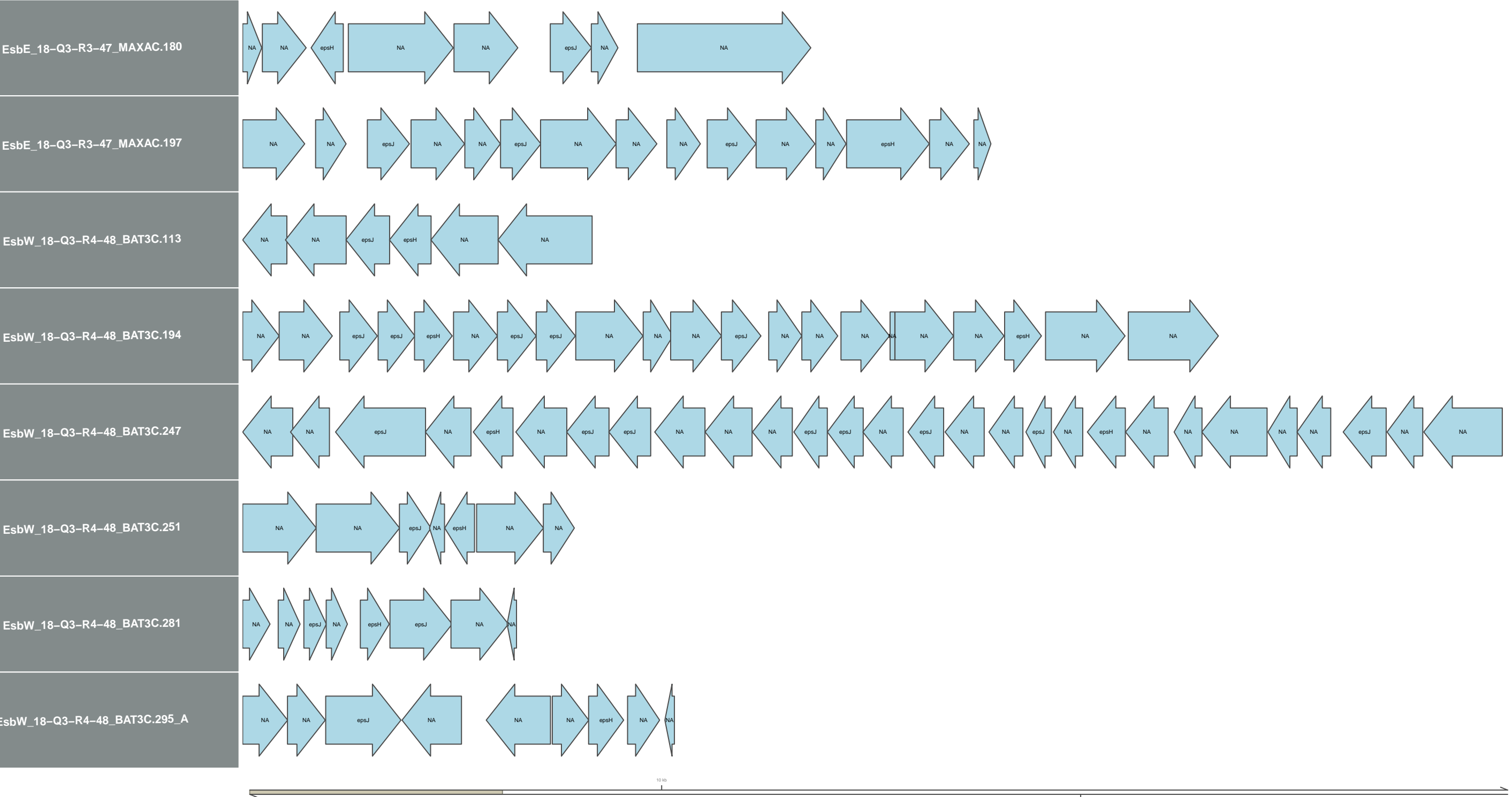
pnag_eps



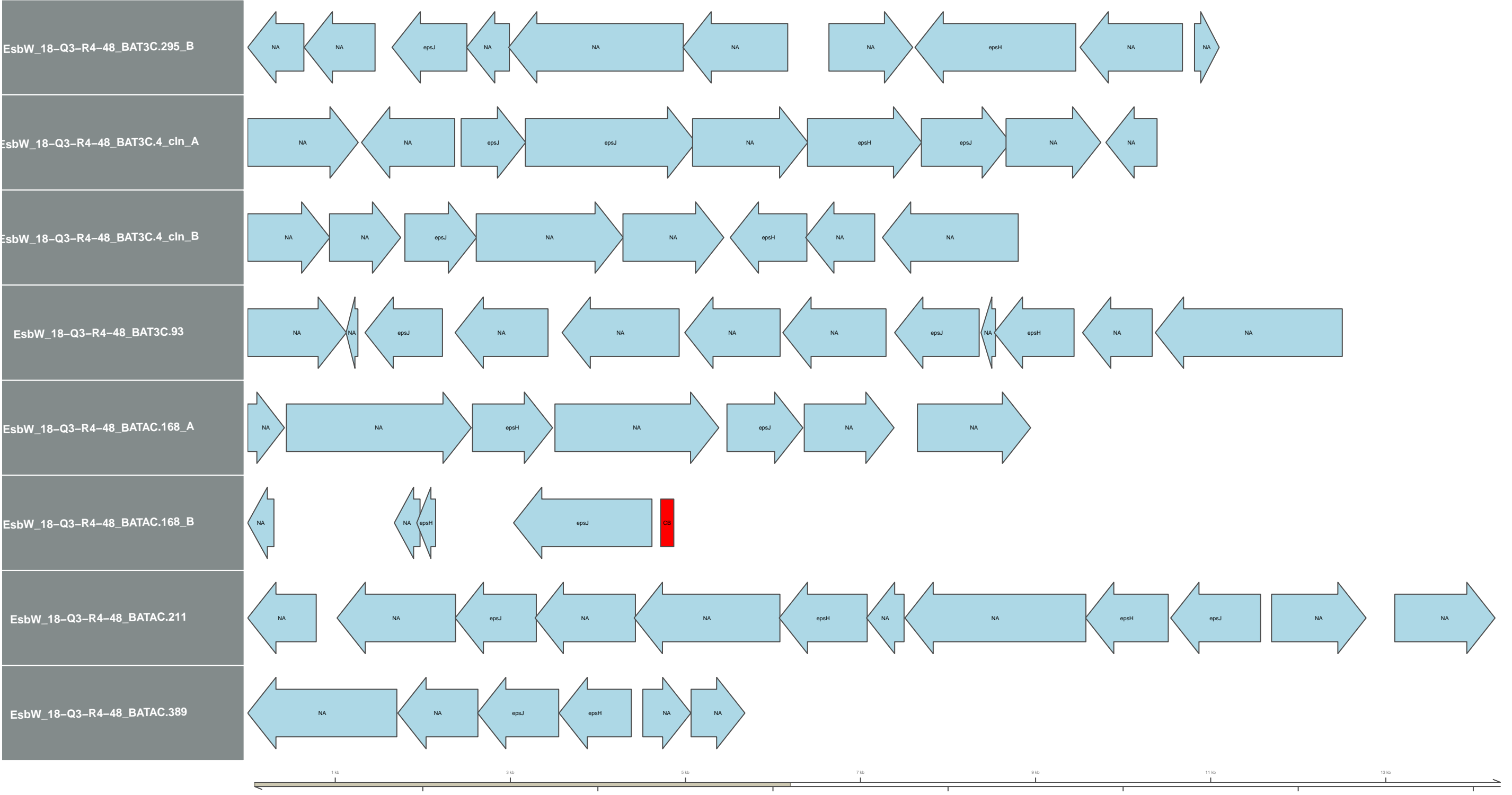
pnag_eps



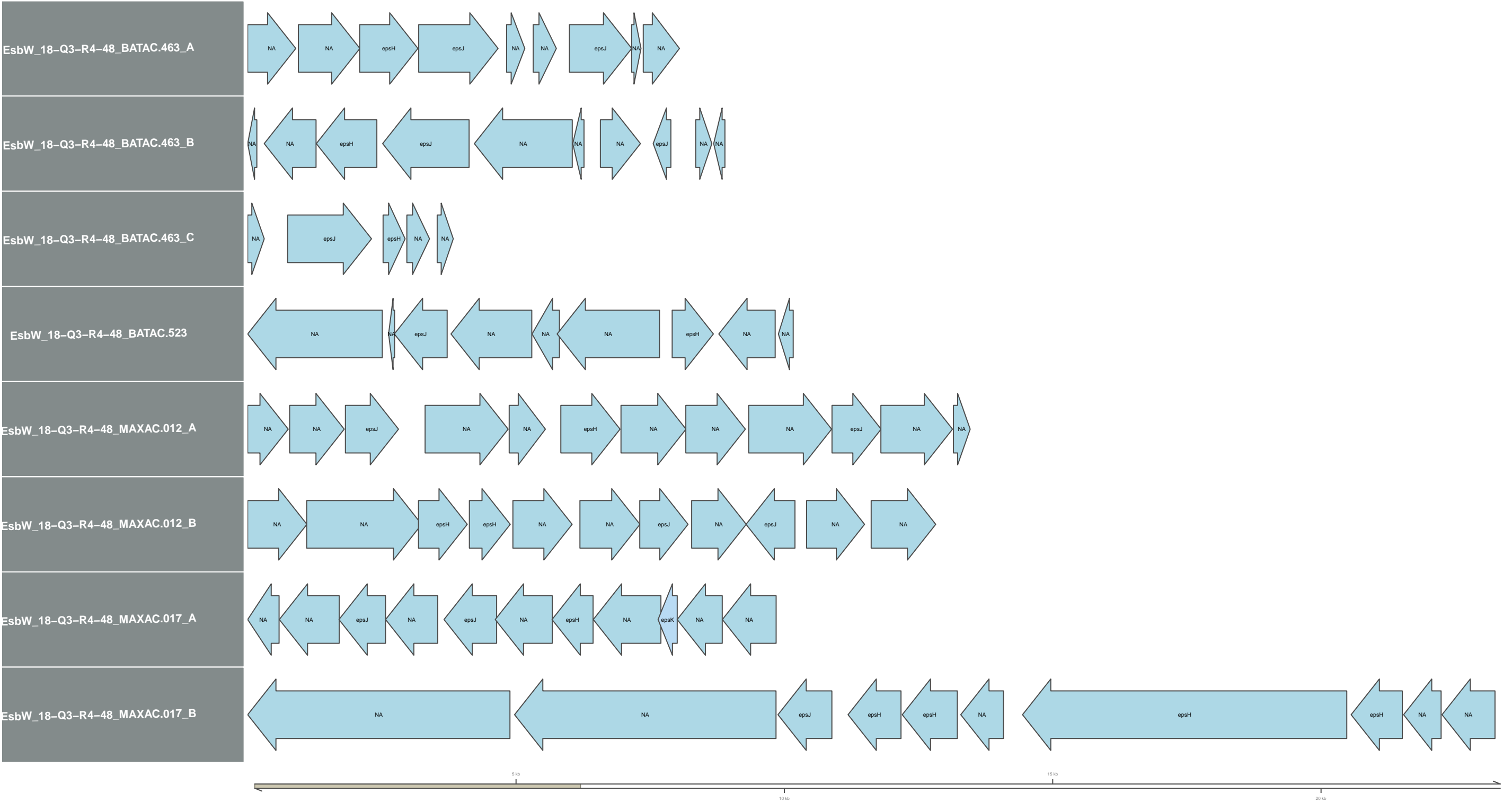
pnag_eps



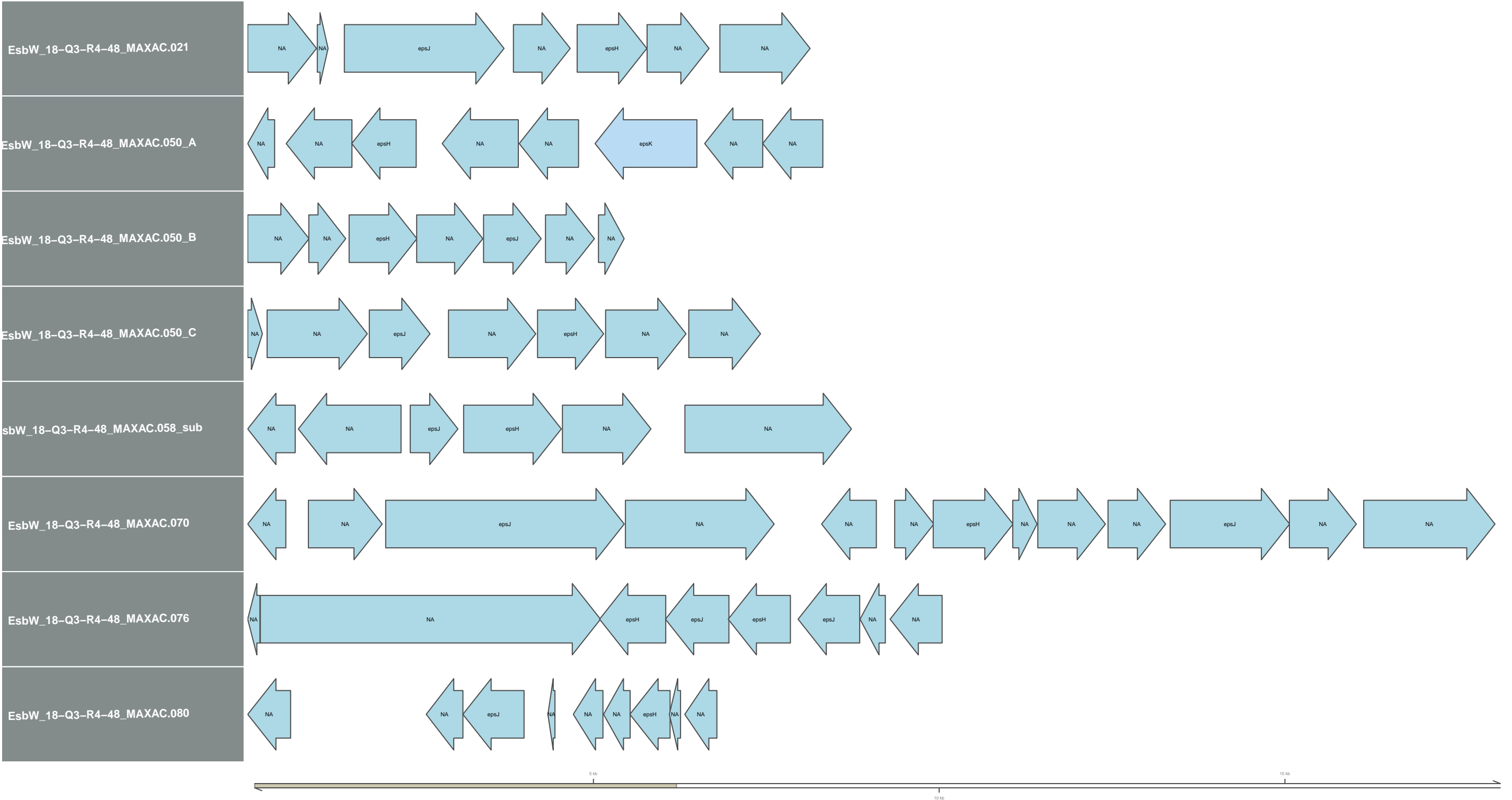
pnag_eps



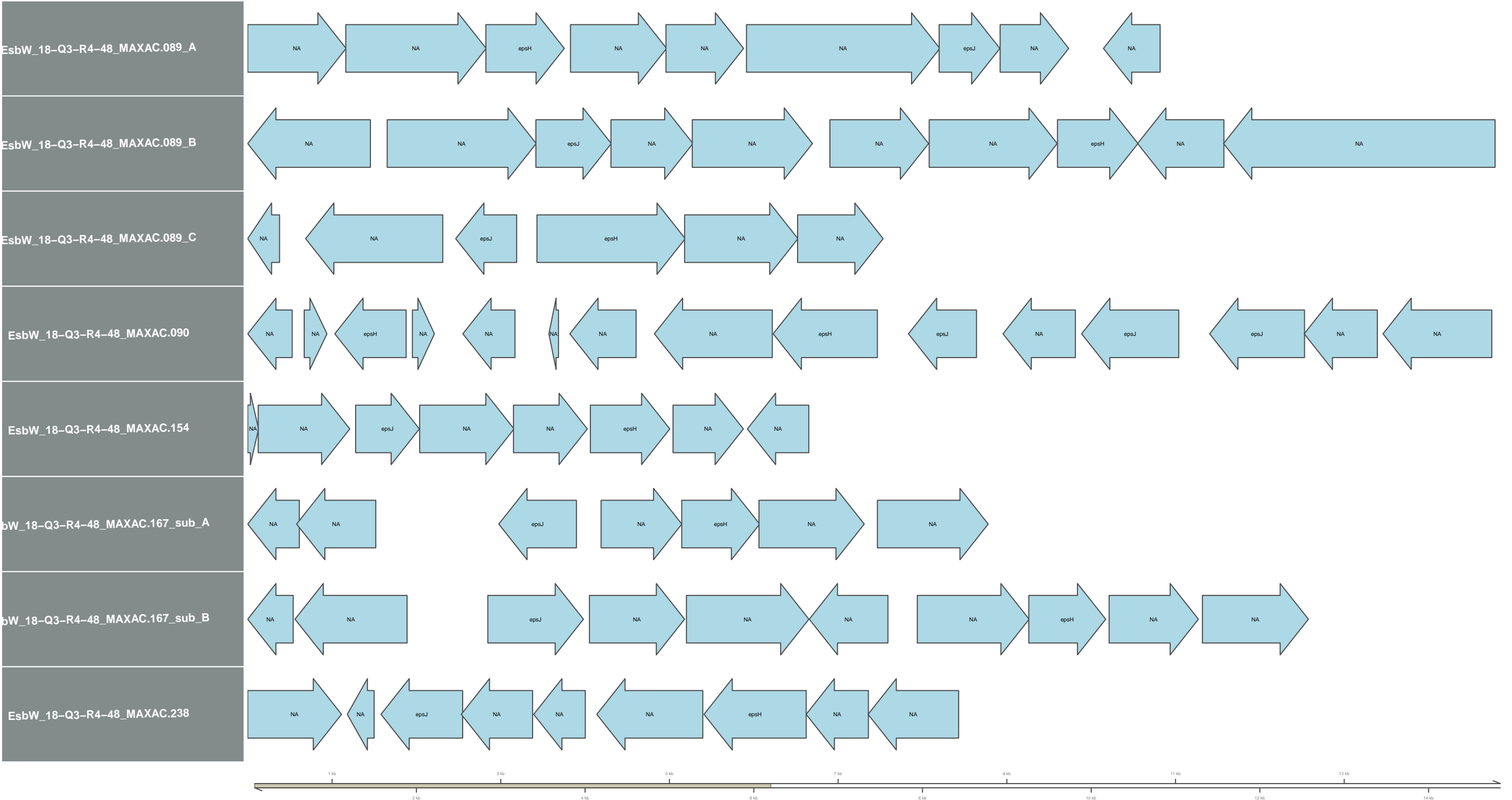
pnag_eps



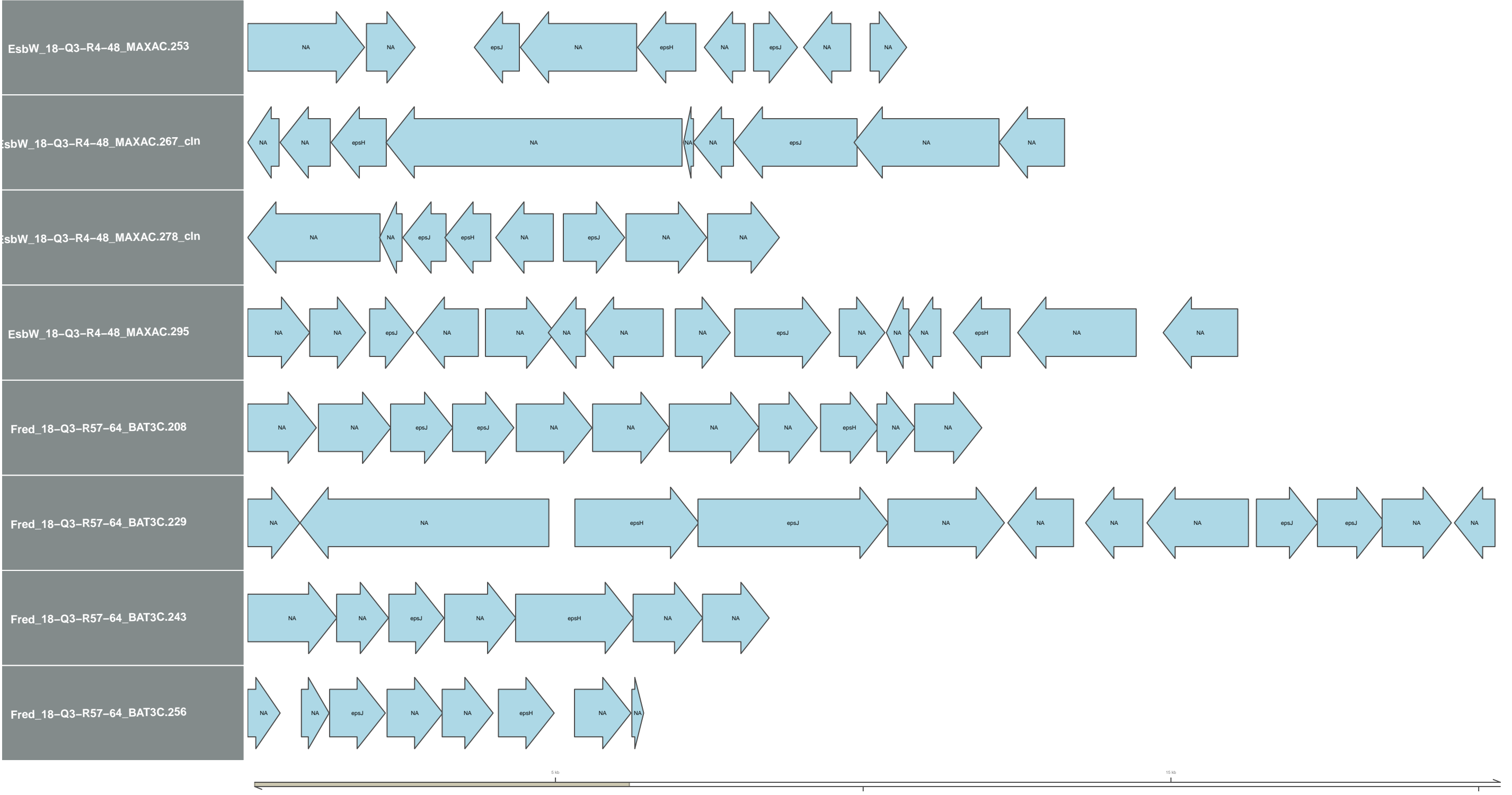
pnag_eps



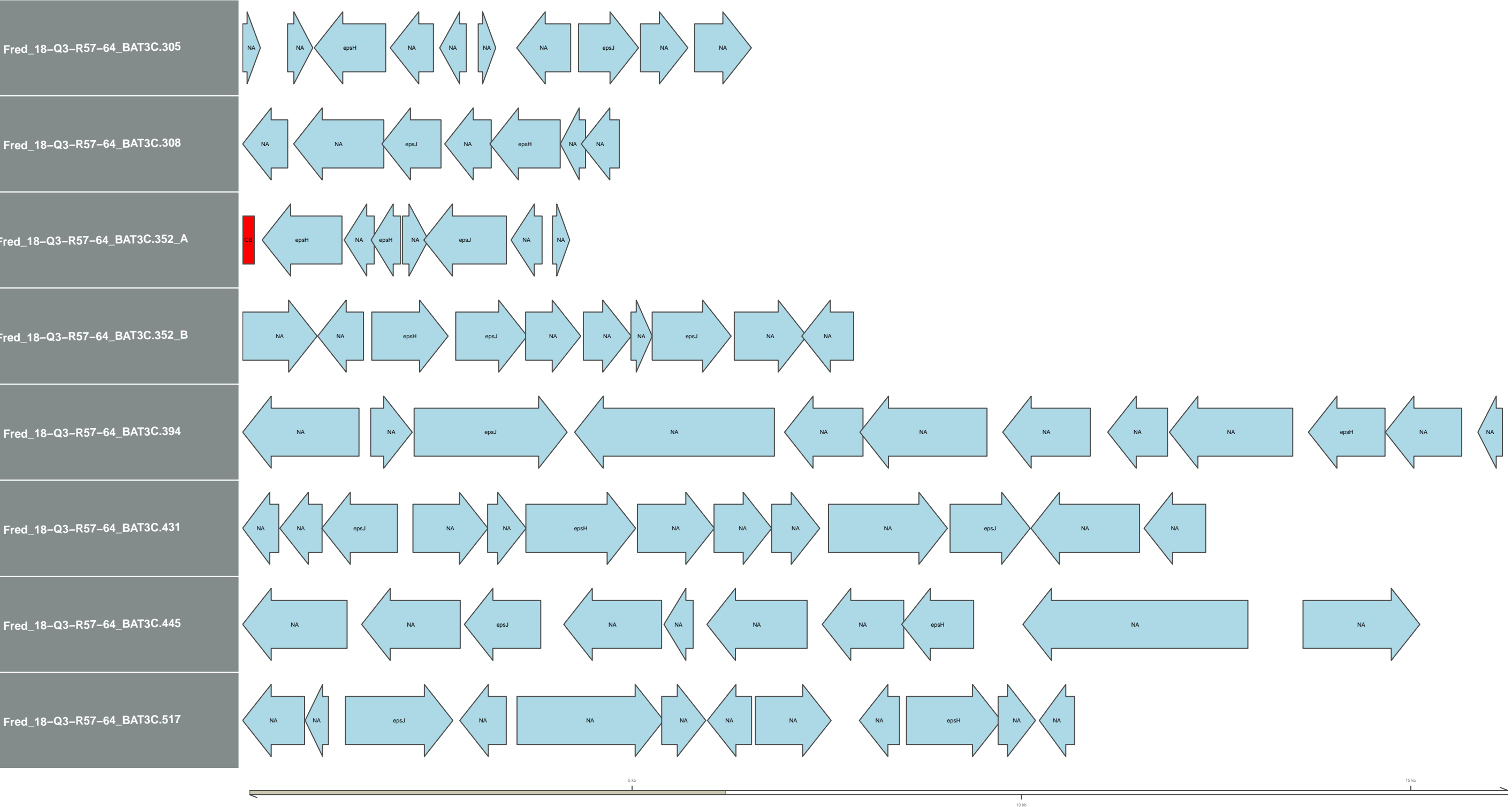
pnag_eps



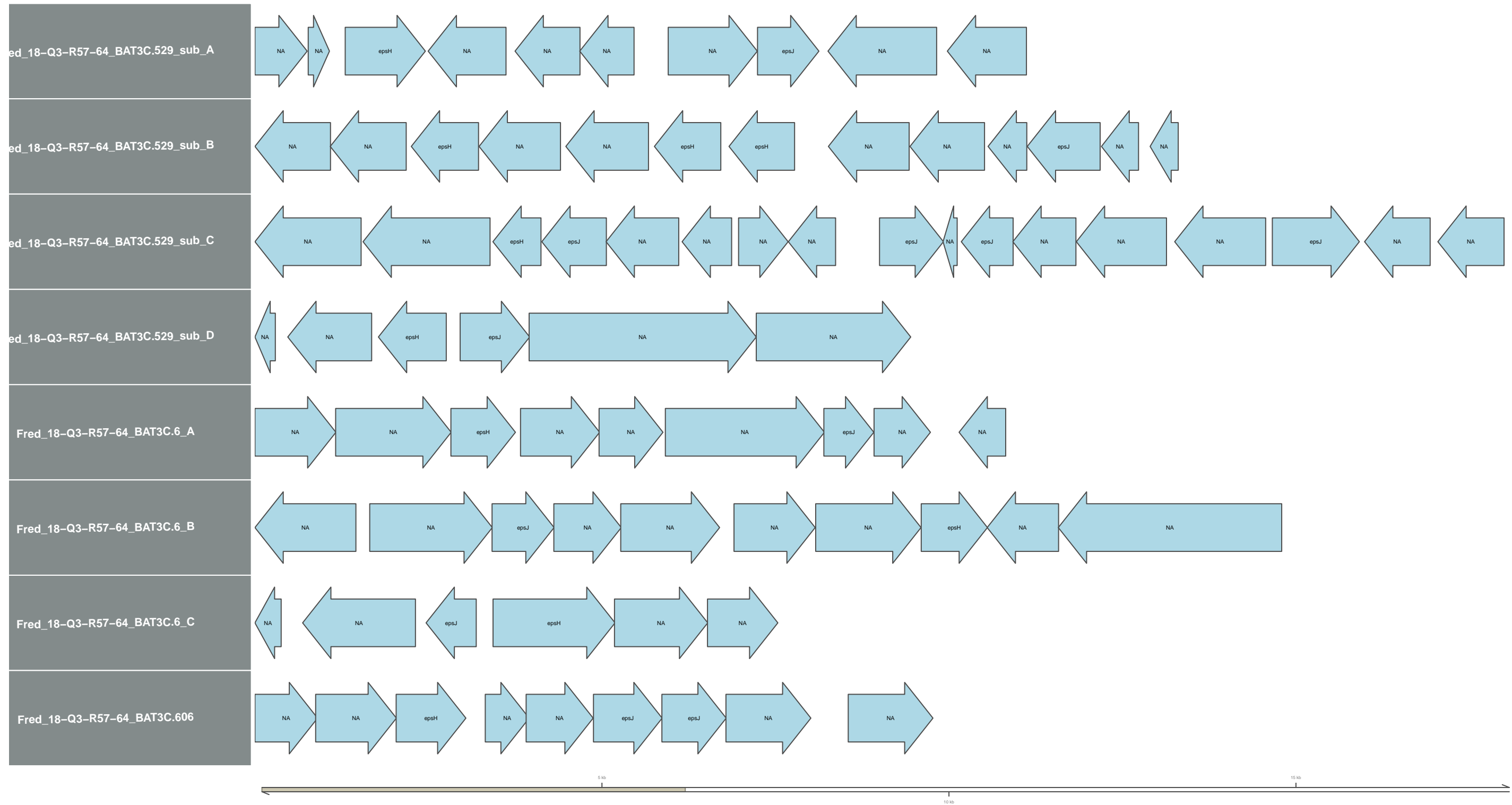
pnag_eps



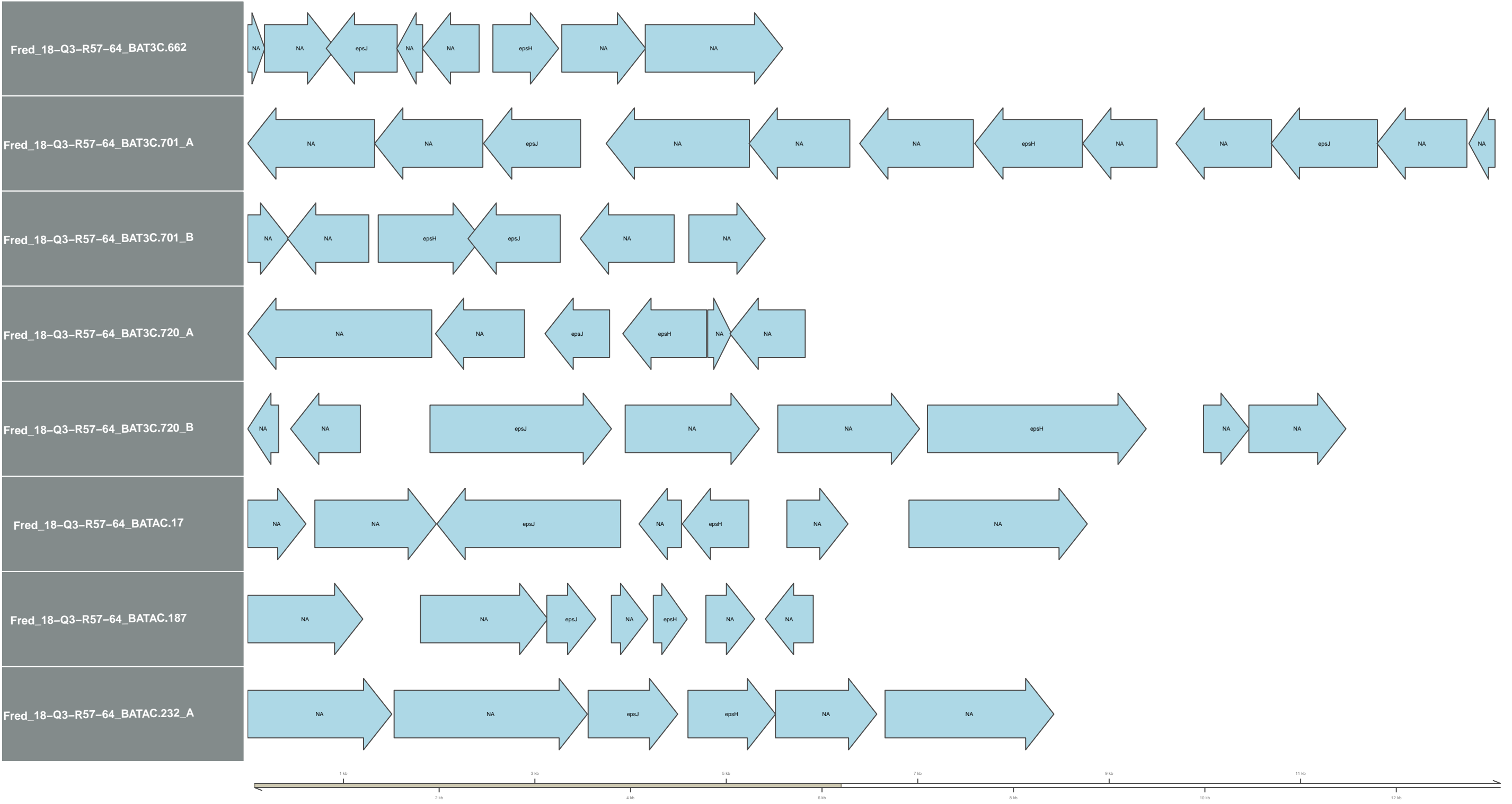
pnag_eps



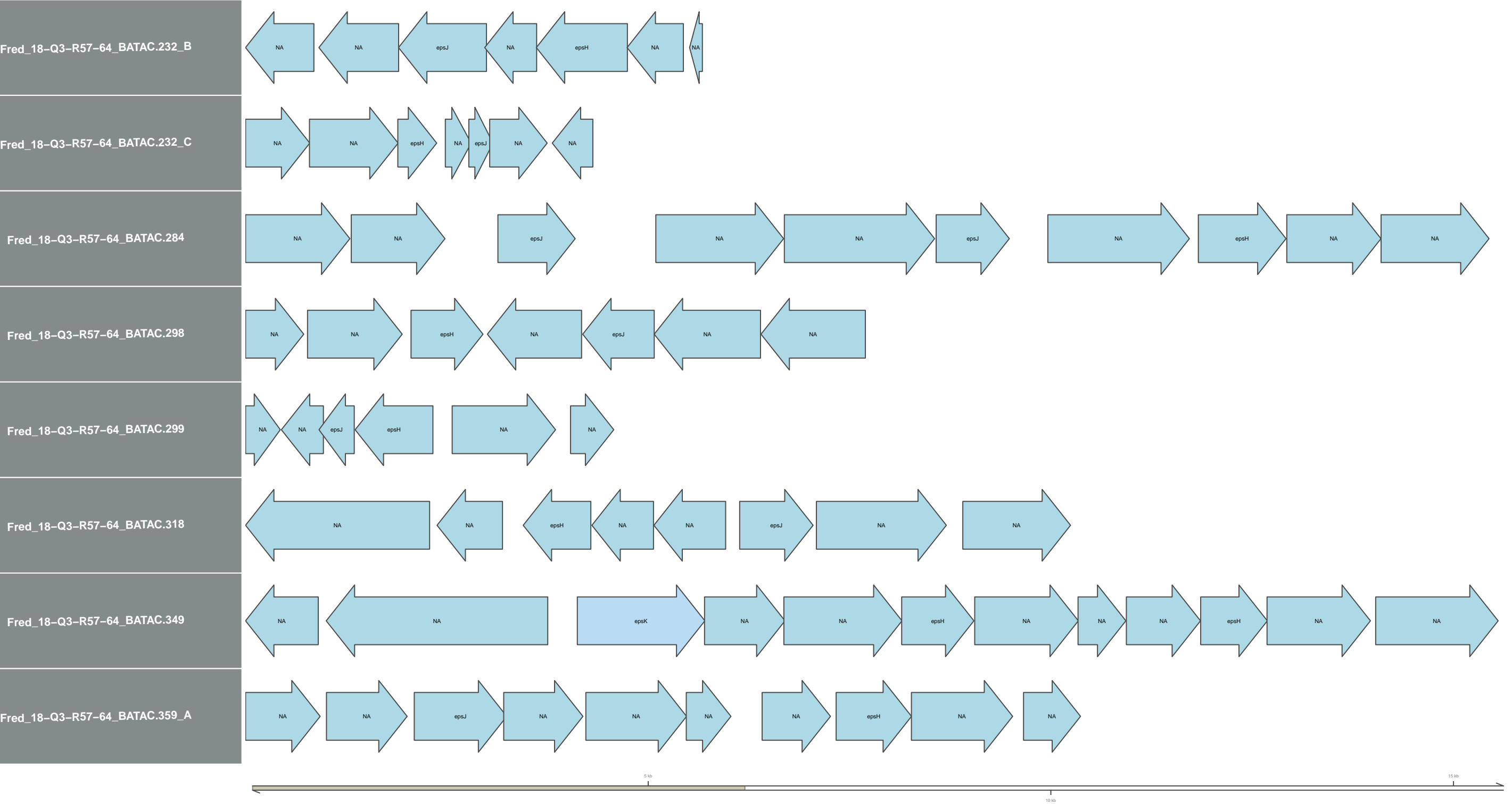
pnag_eps



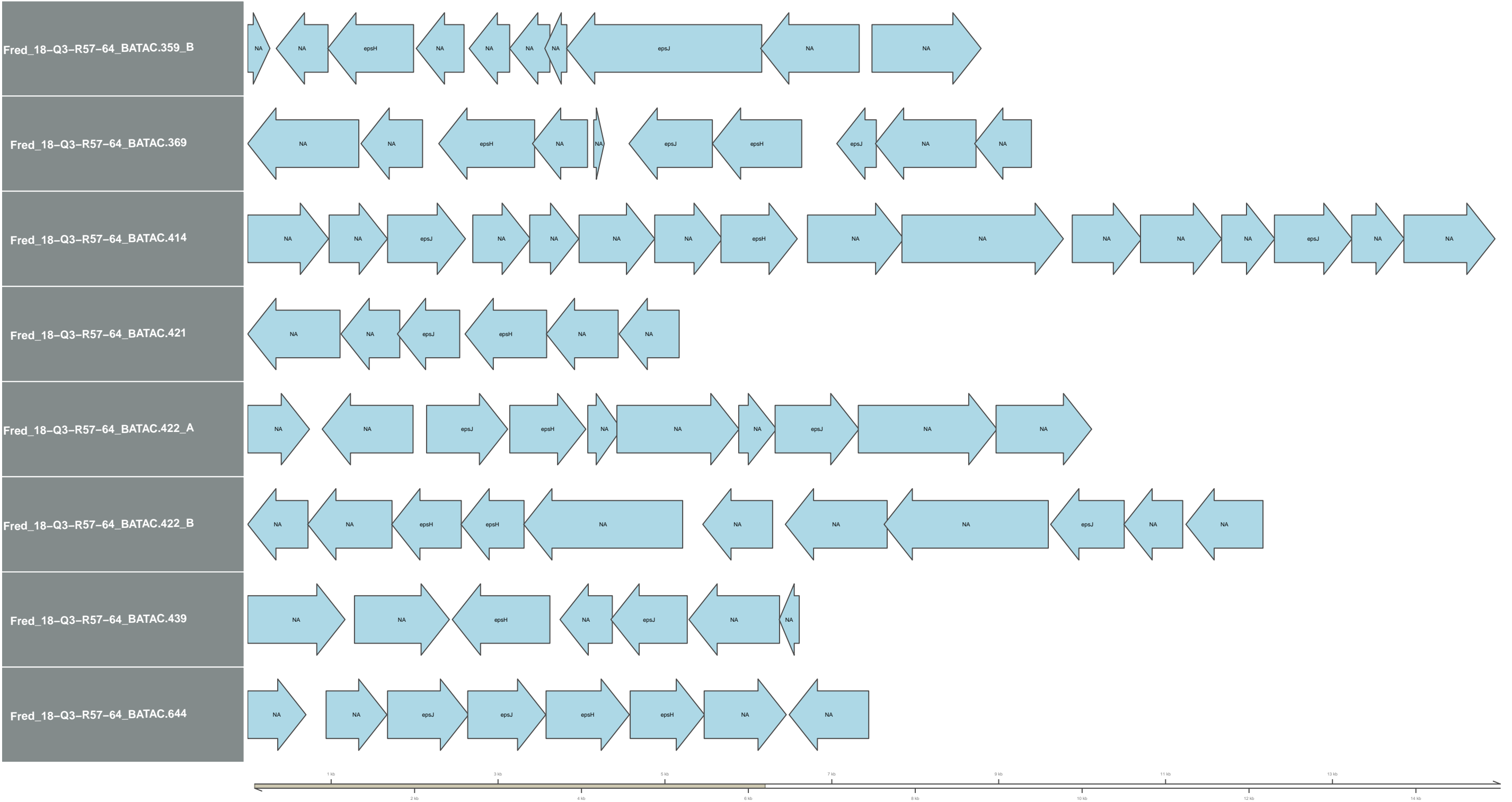
pnag_eps



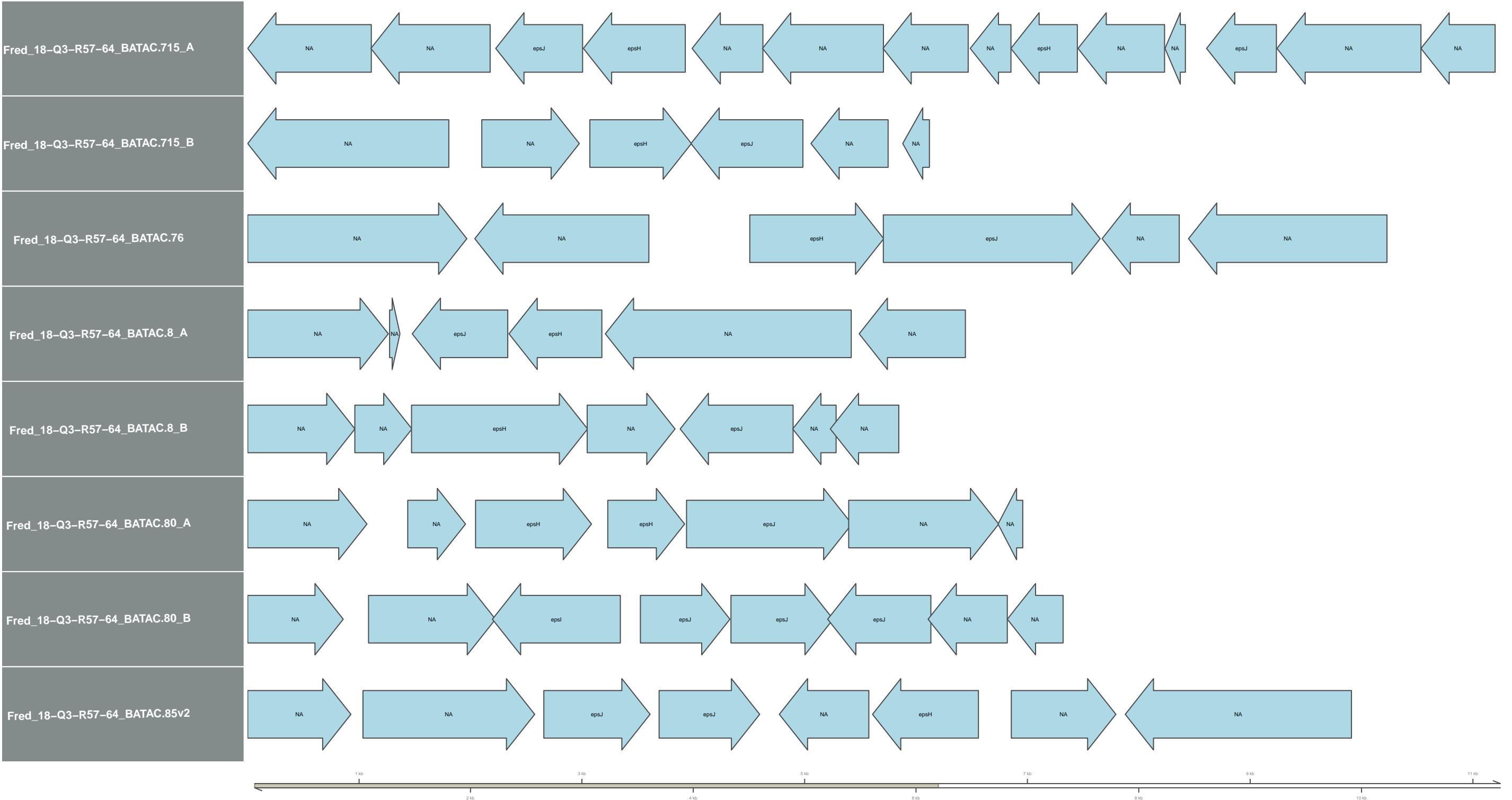
pnag_eps



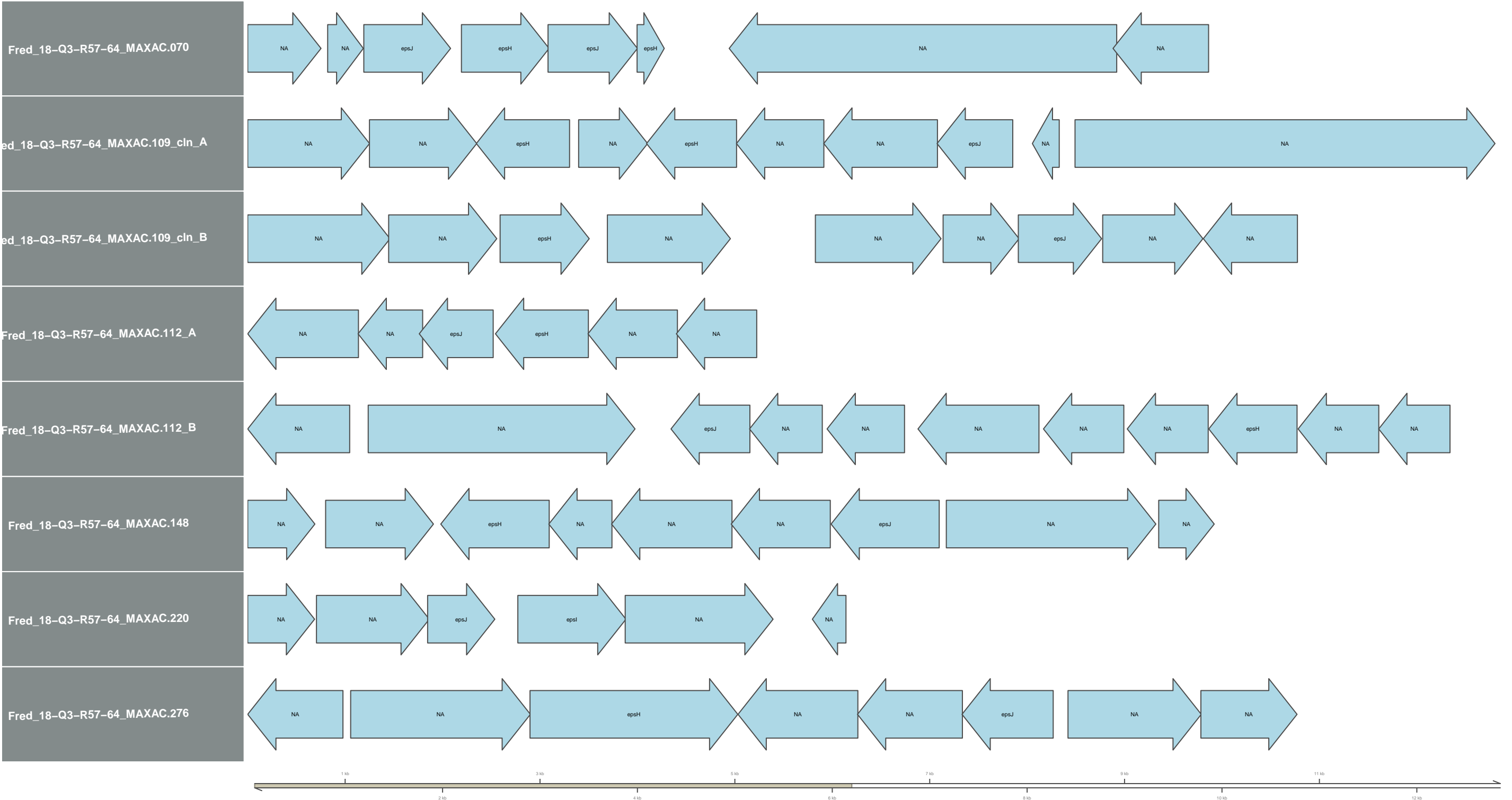
pnag_eps



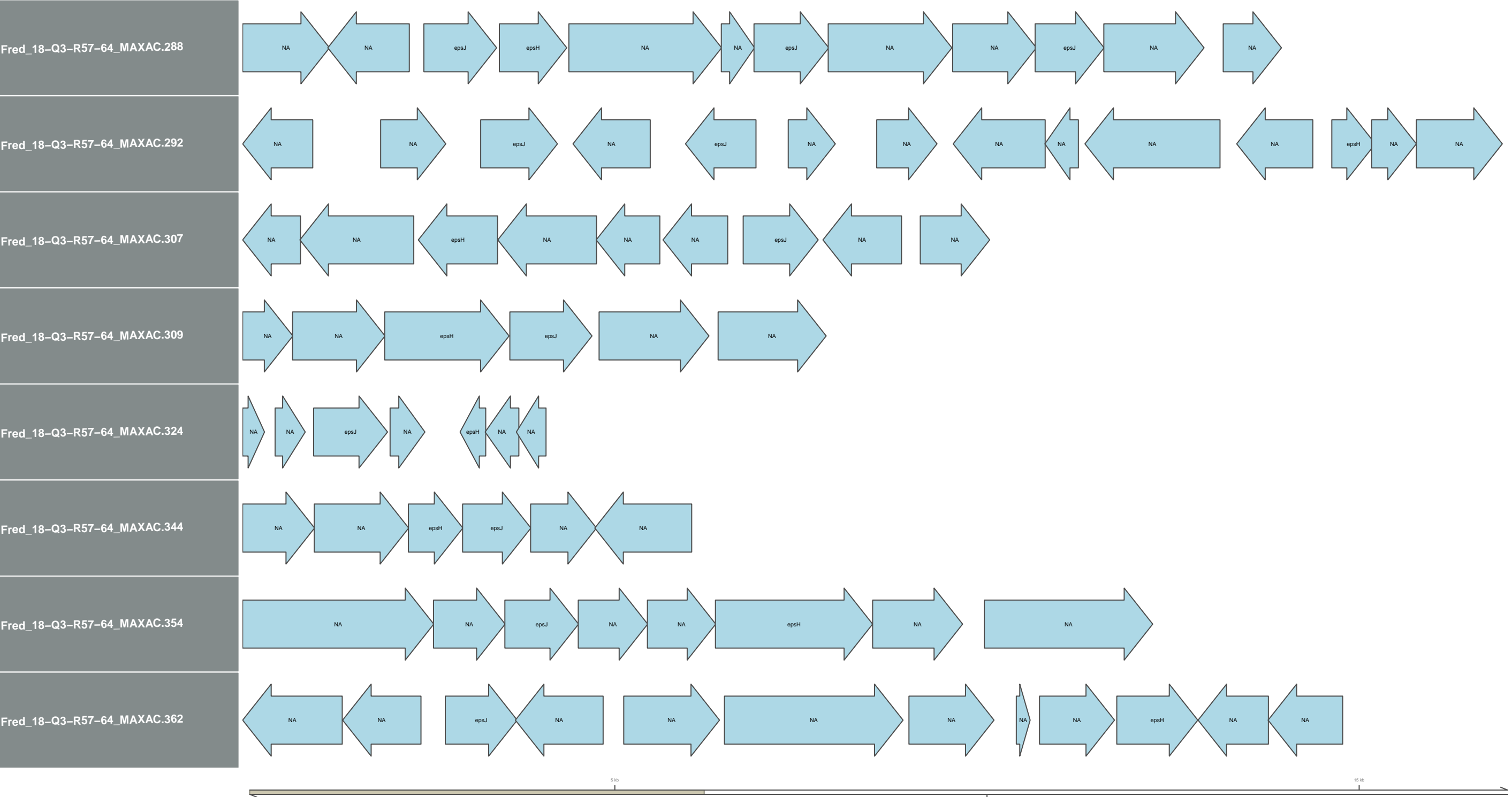
pnag_eps



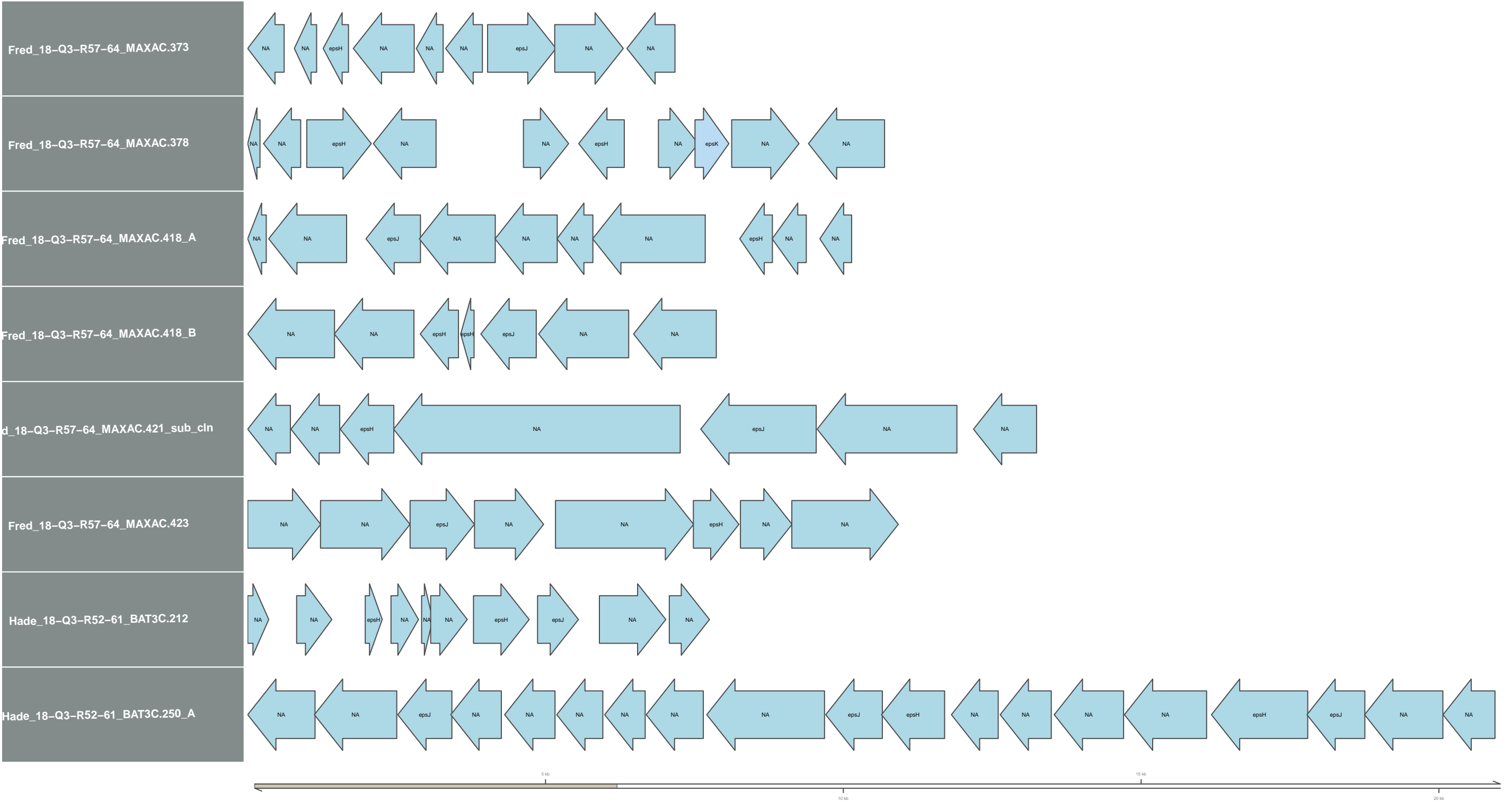
pnag_eps



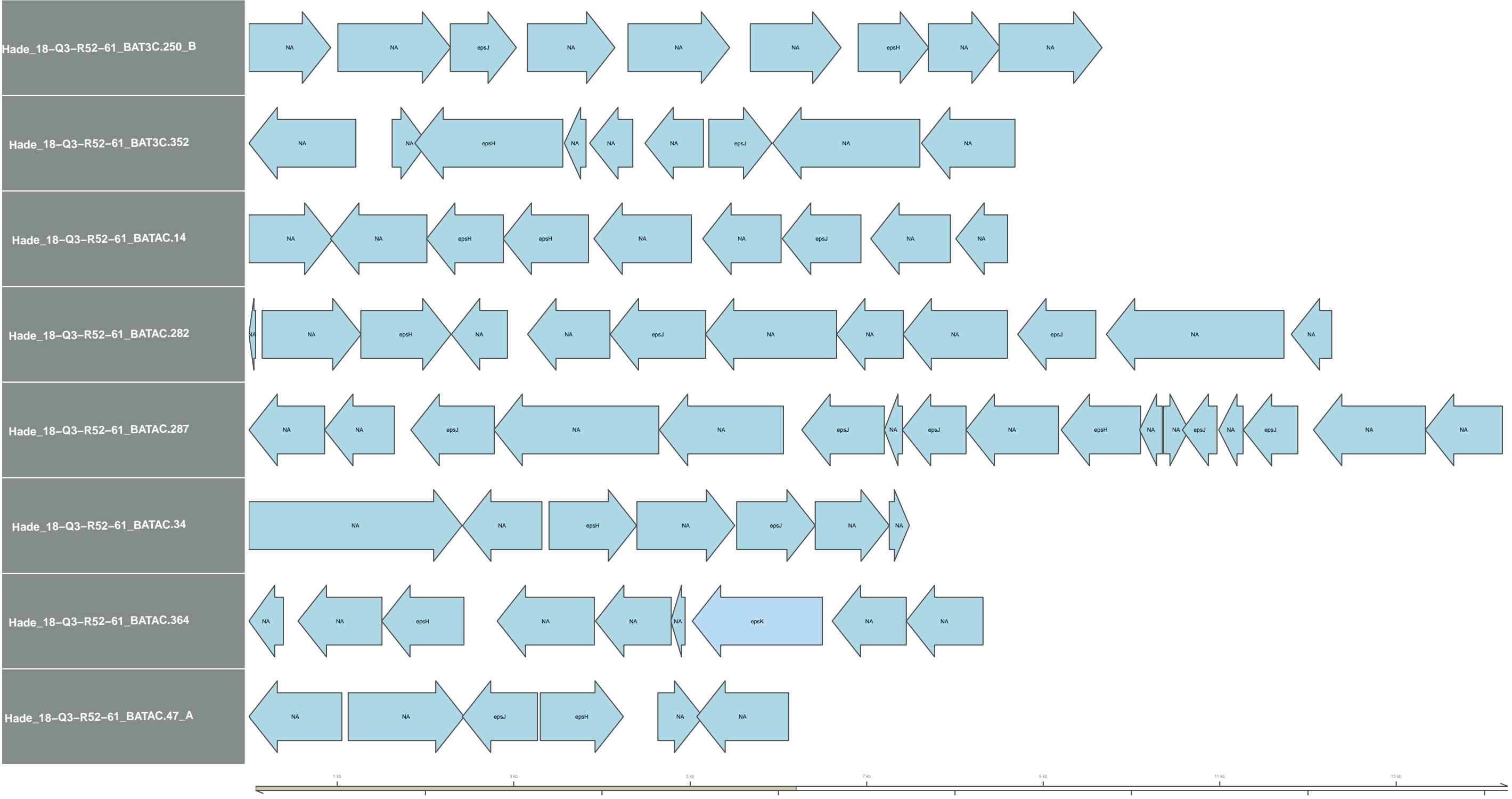
pnag_eps



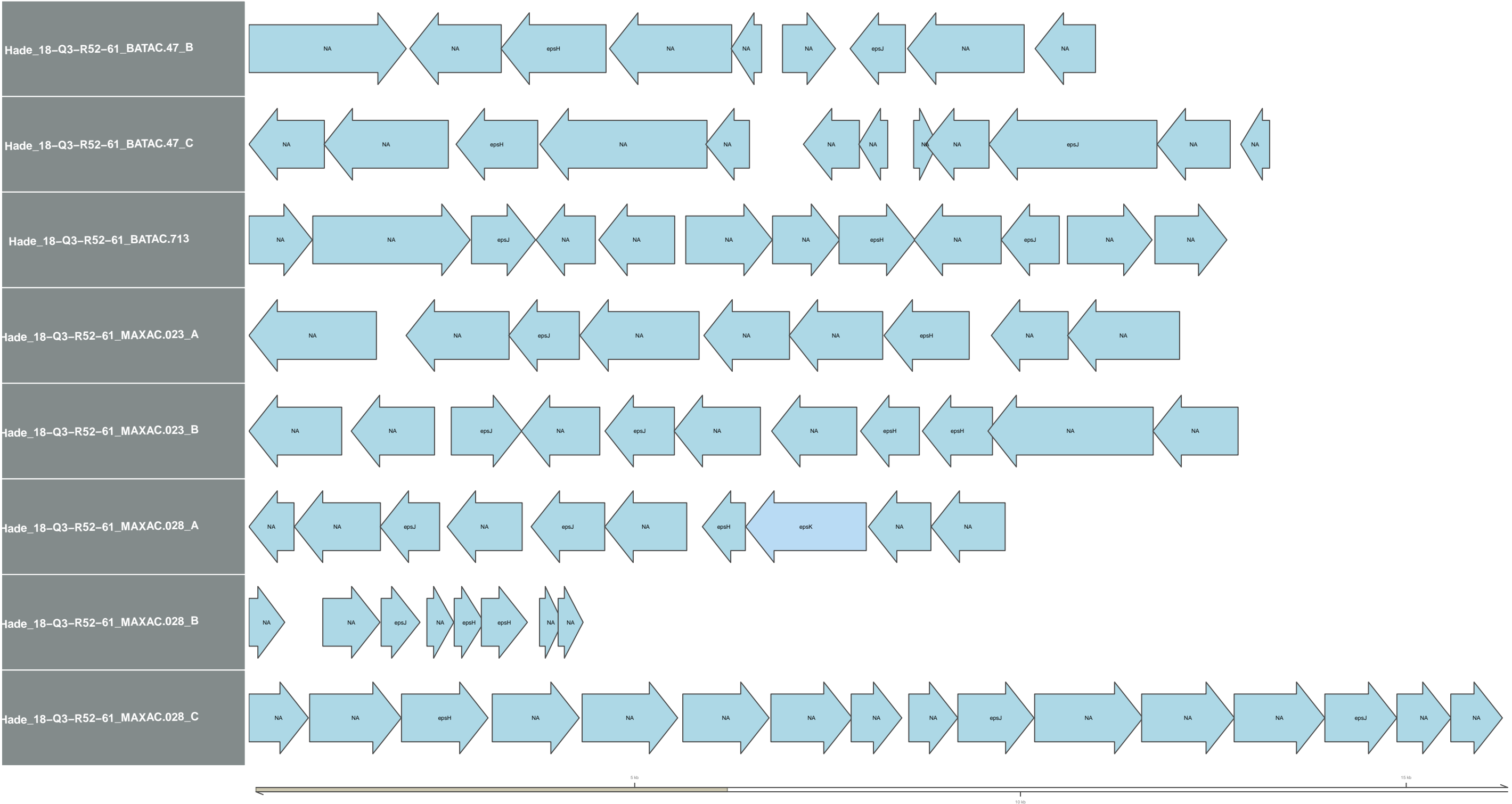
pnag_eps



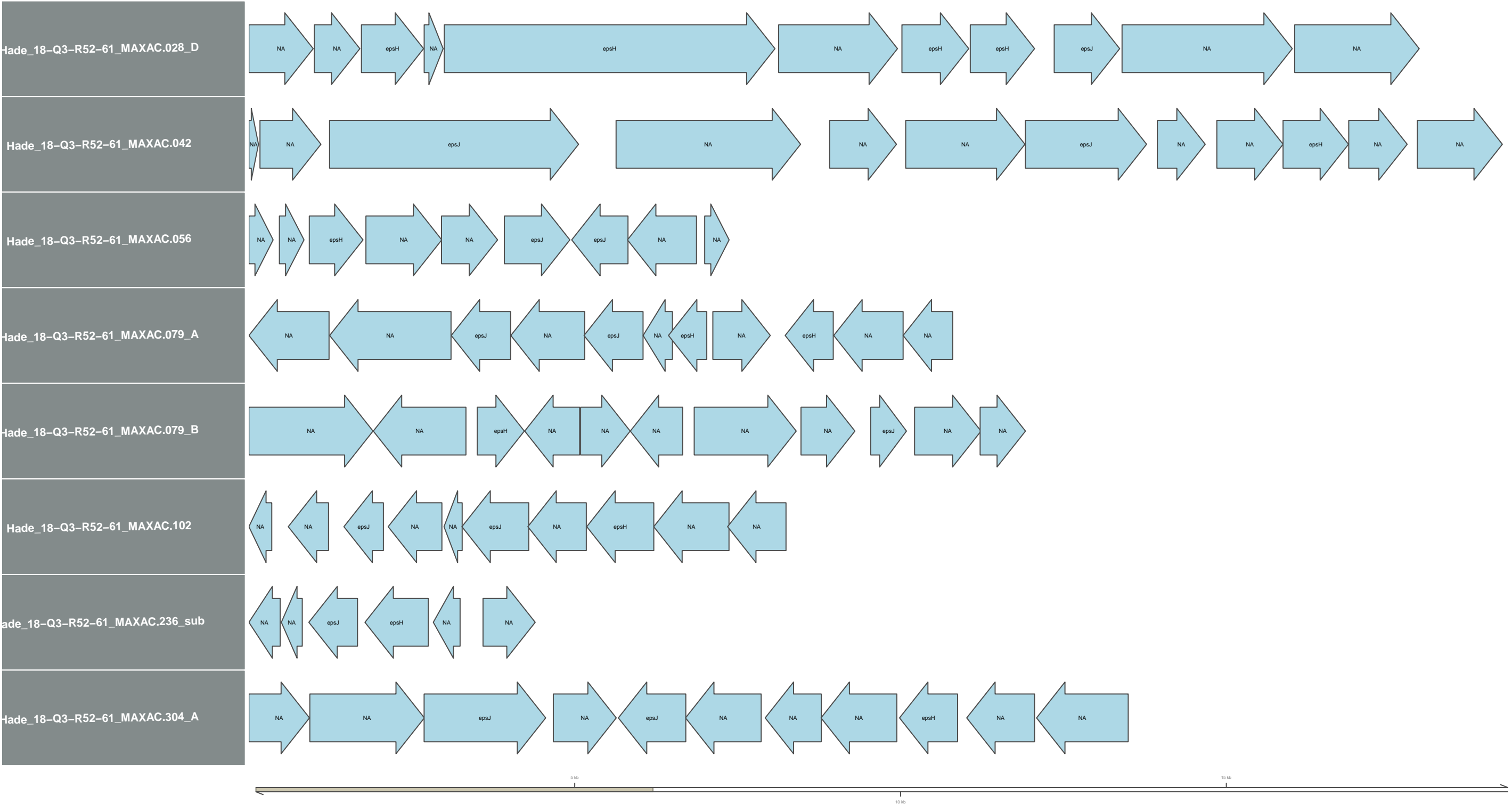
pnag_eps



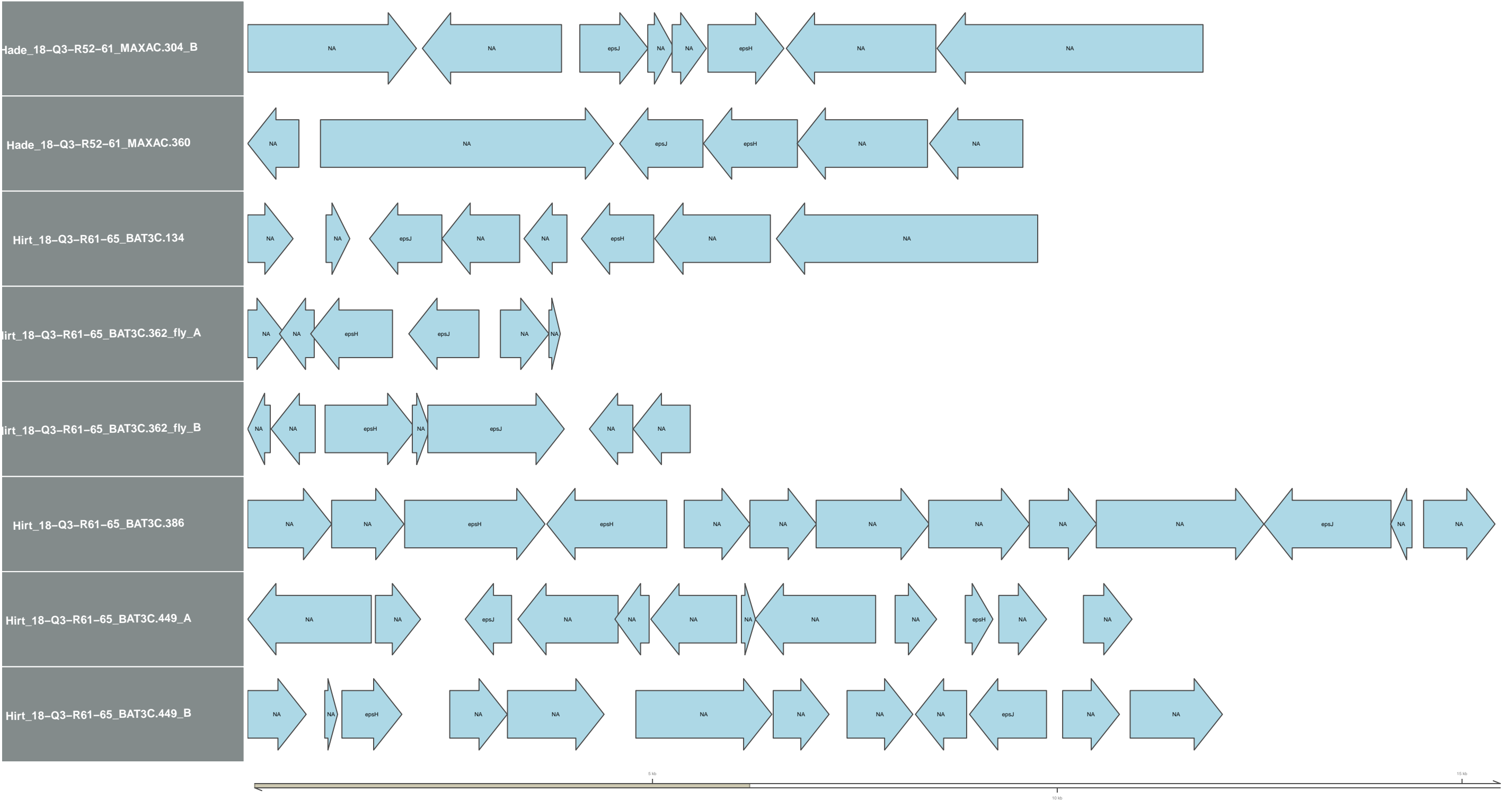
pnag_eps



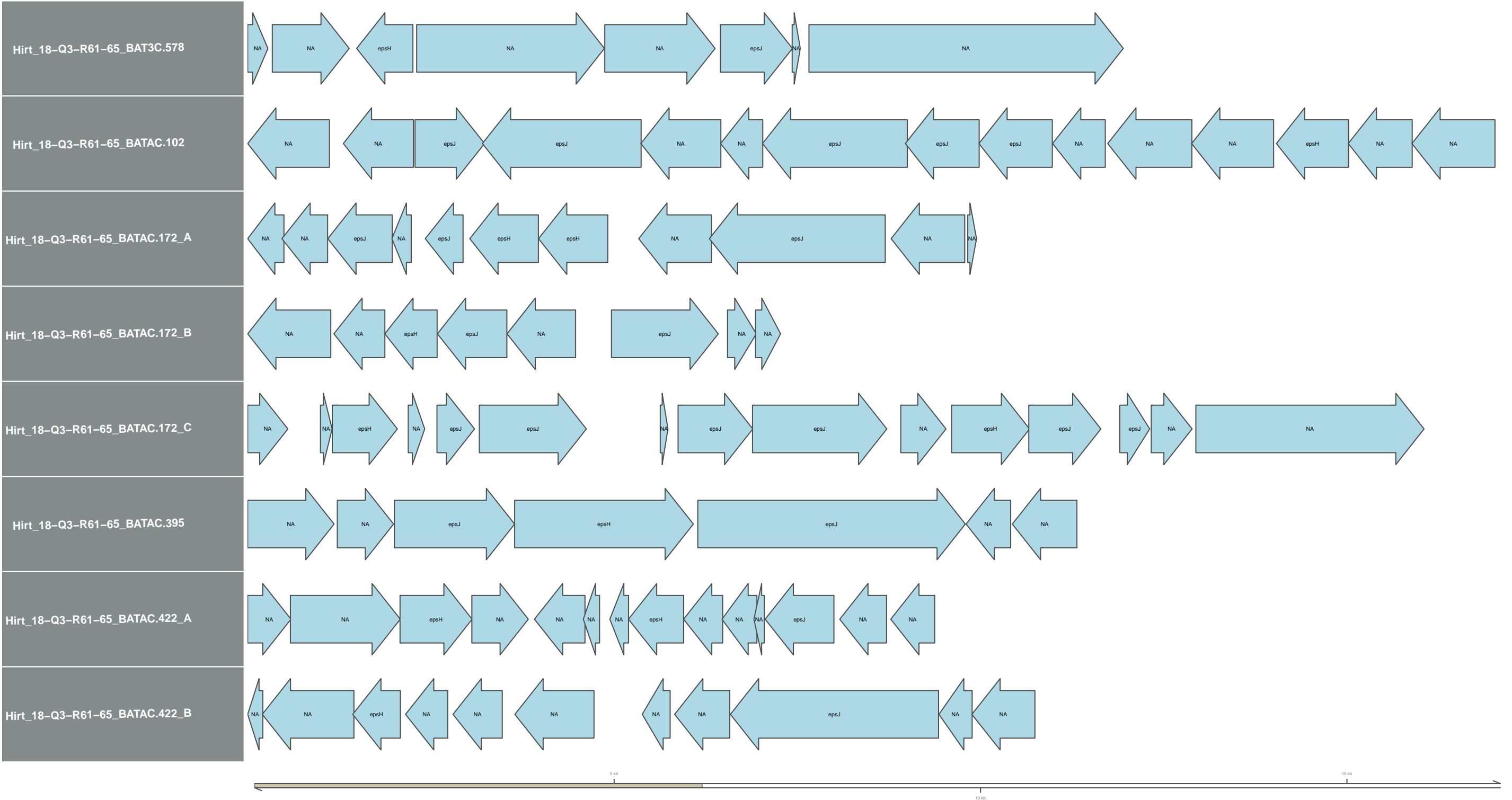
pnag_eps



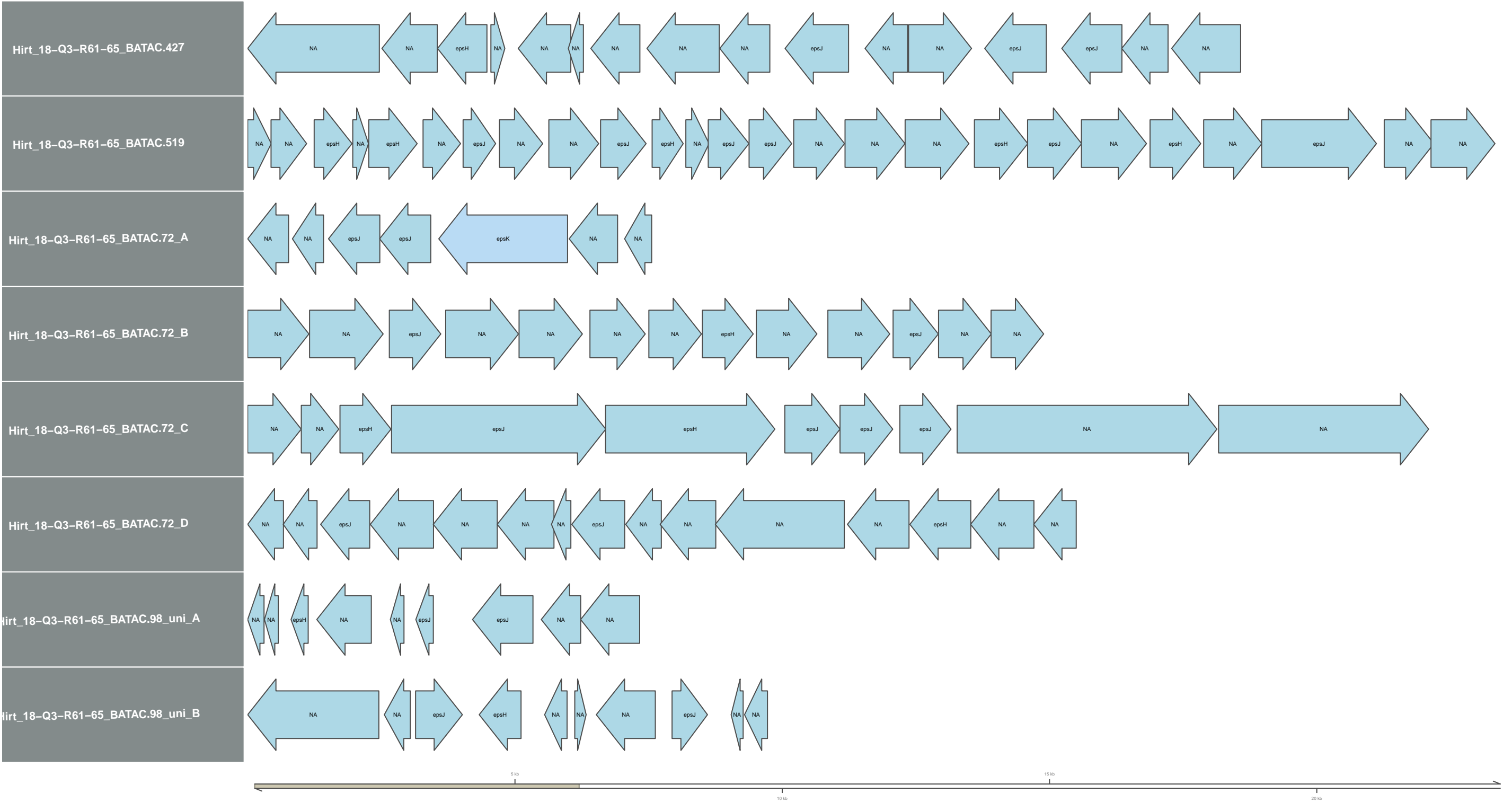
pnag_eps



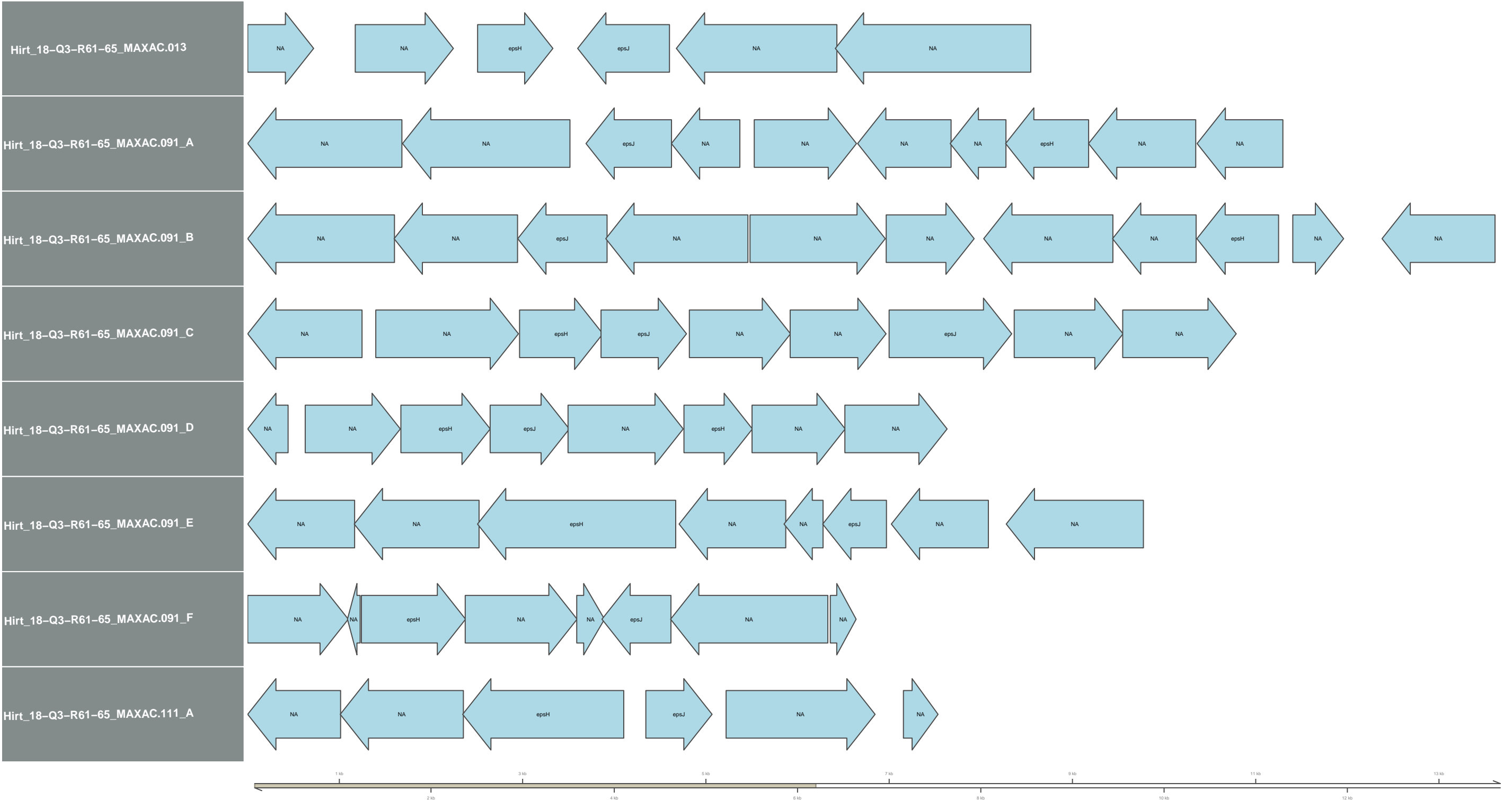
pnag_eps



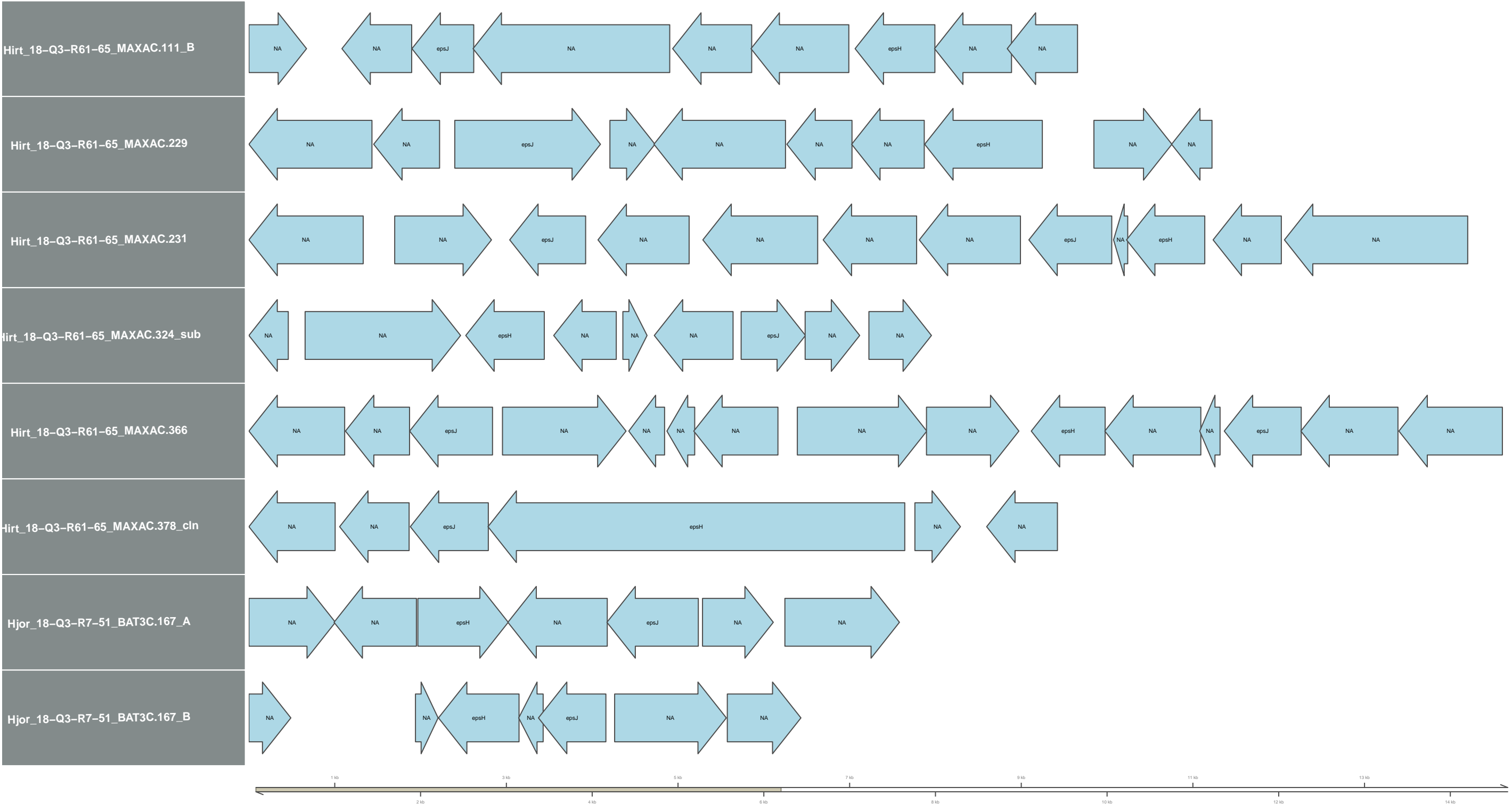
pnag_eps



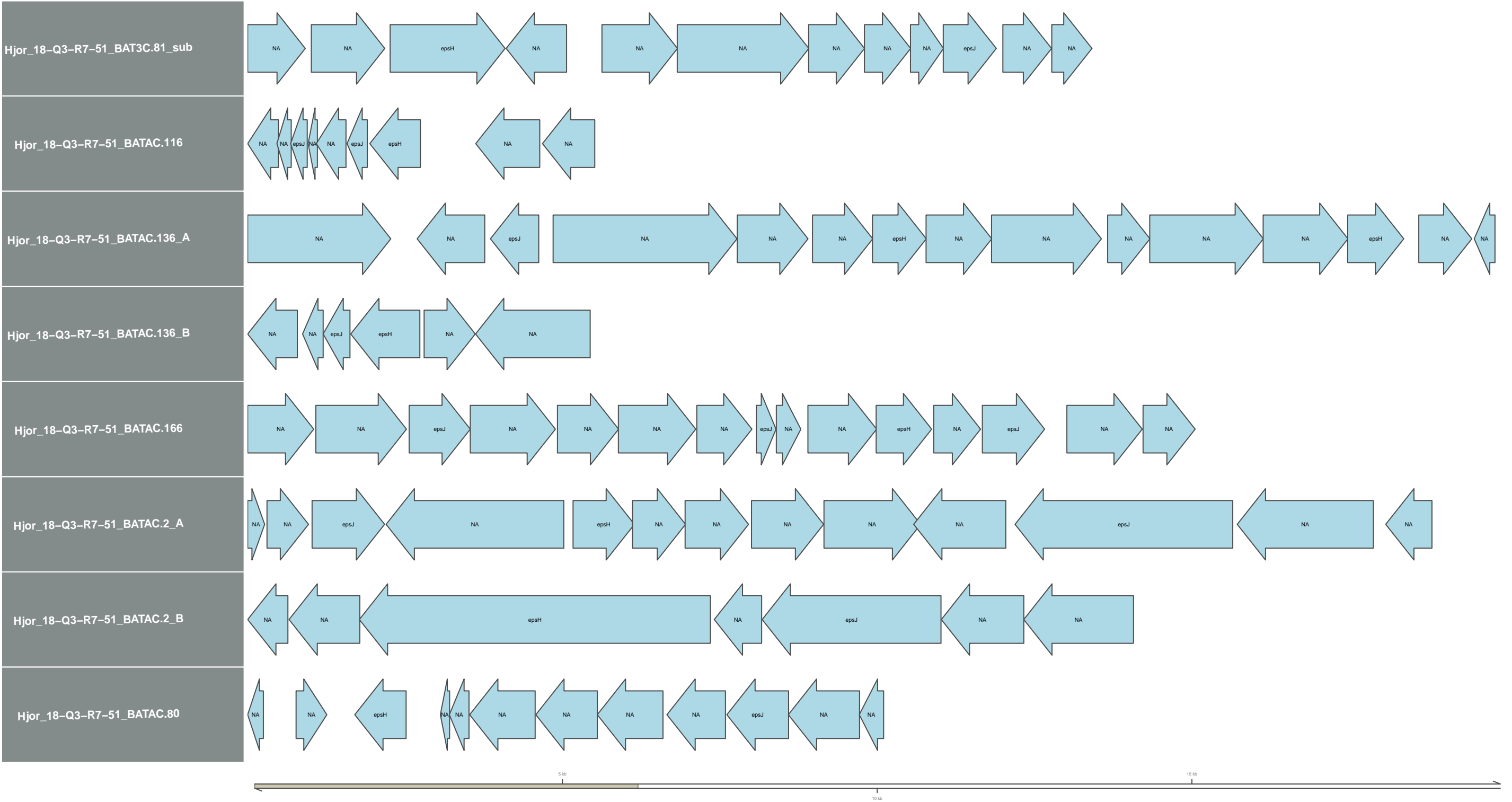
pnag_eps



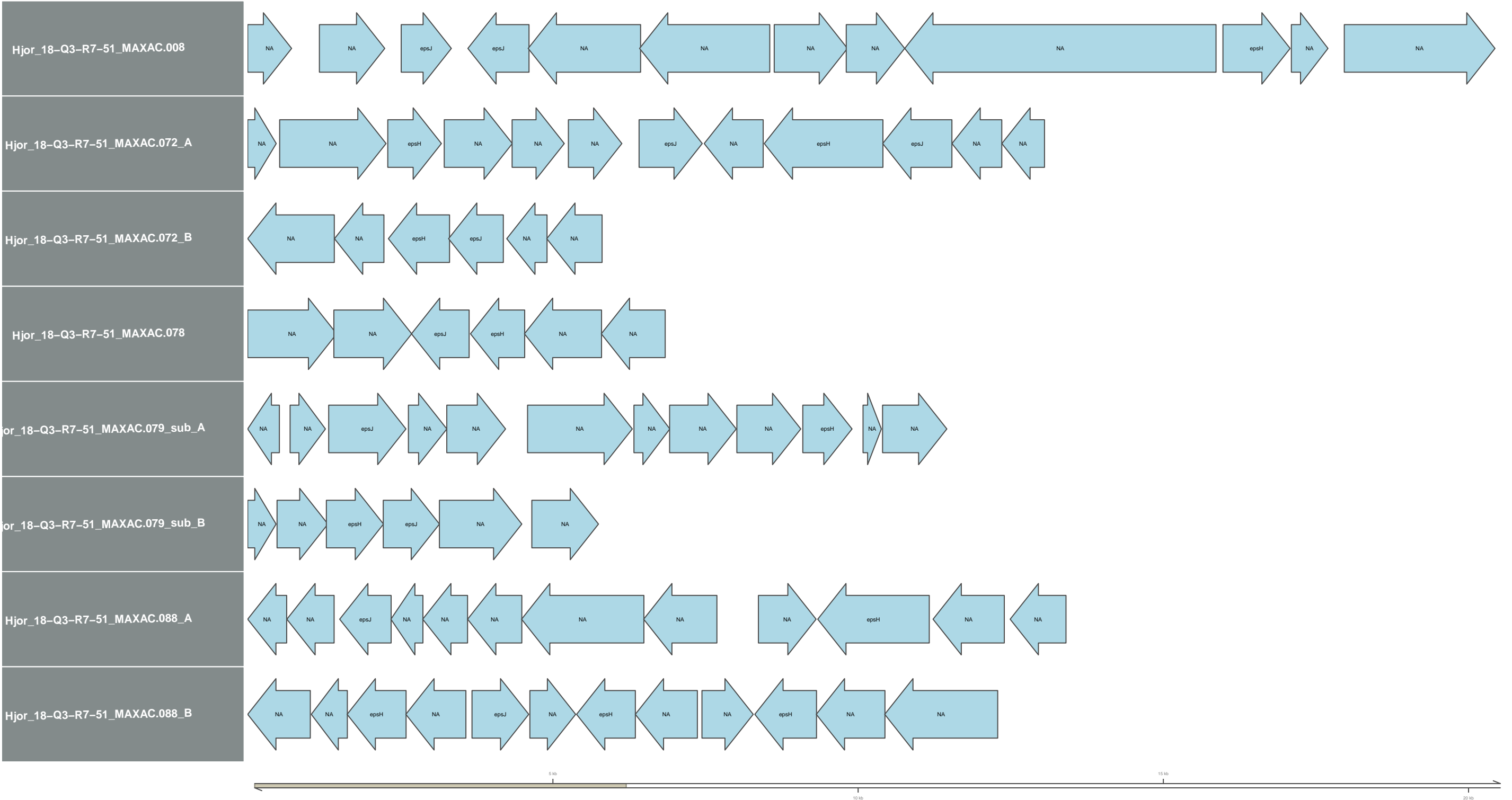
pnag_eps



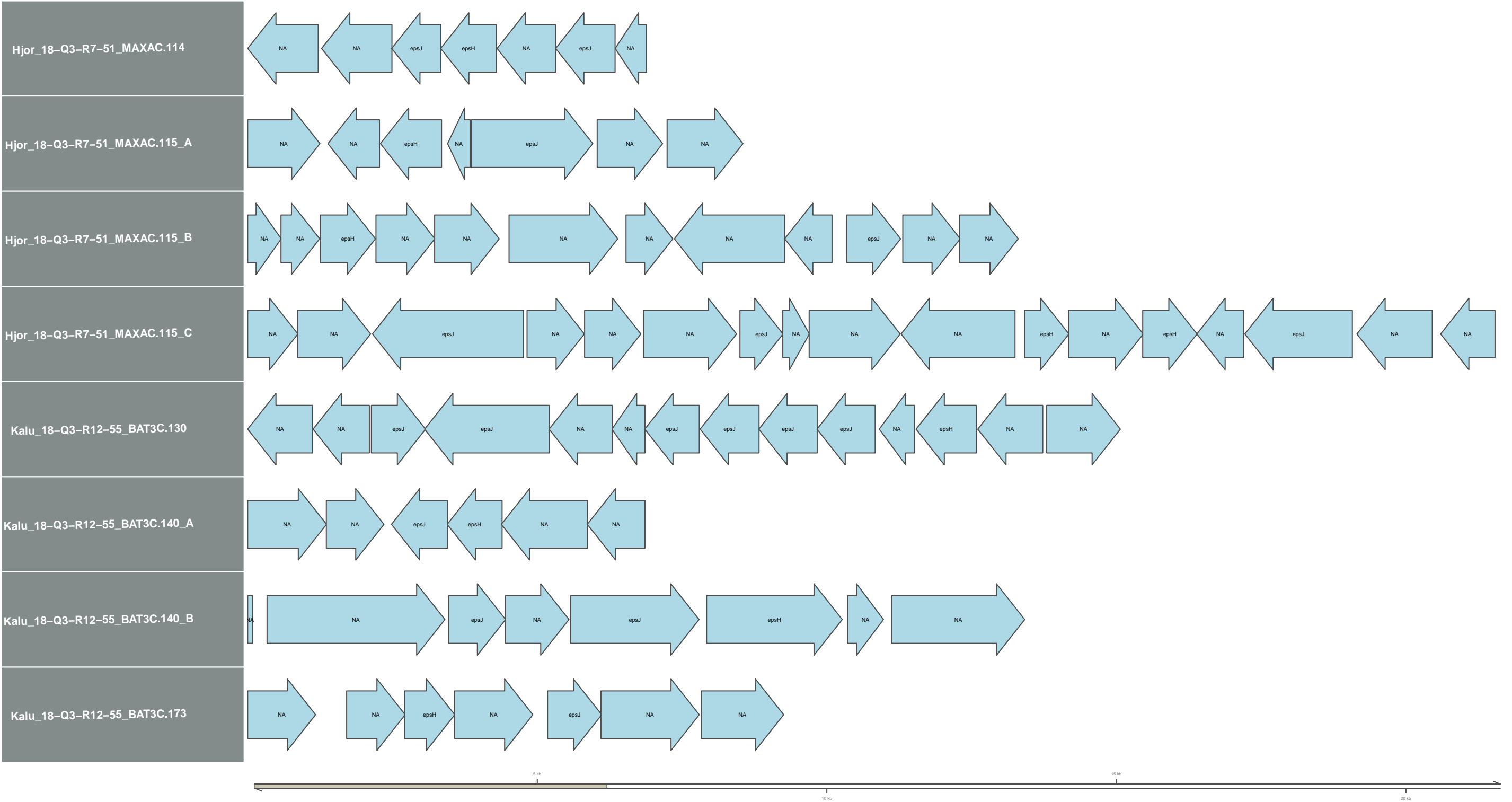
pnag_eps



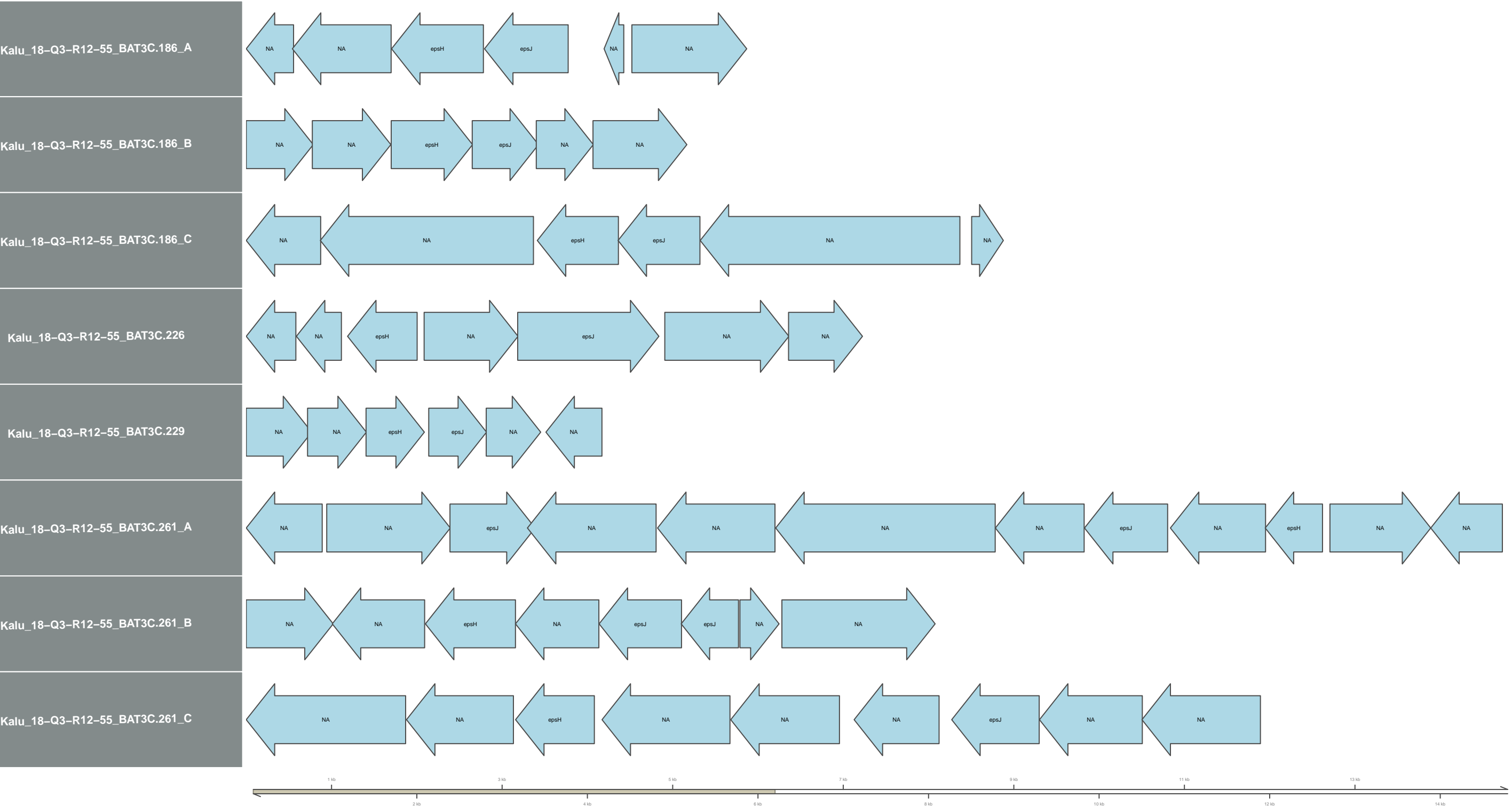
pnag_eps



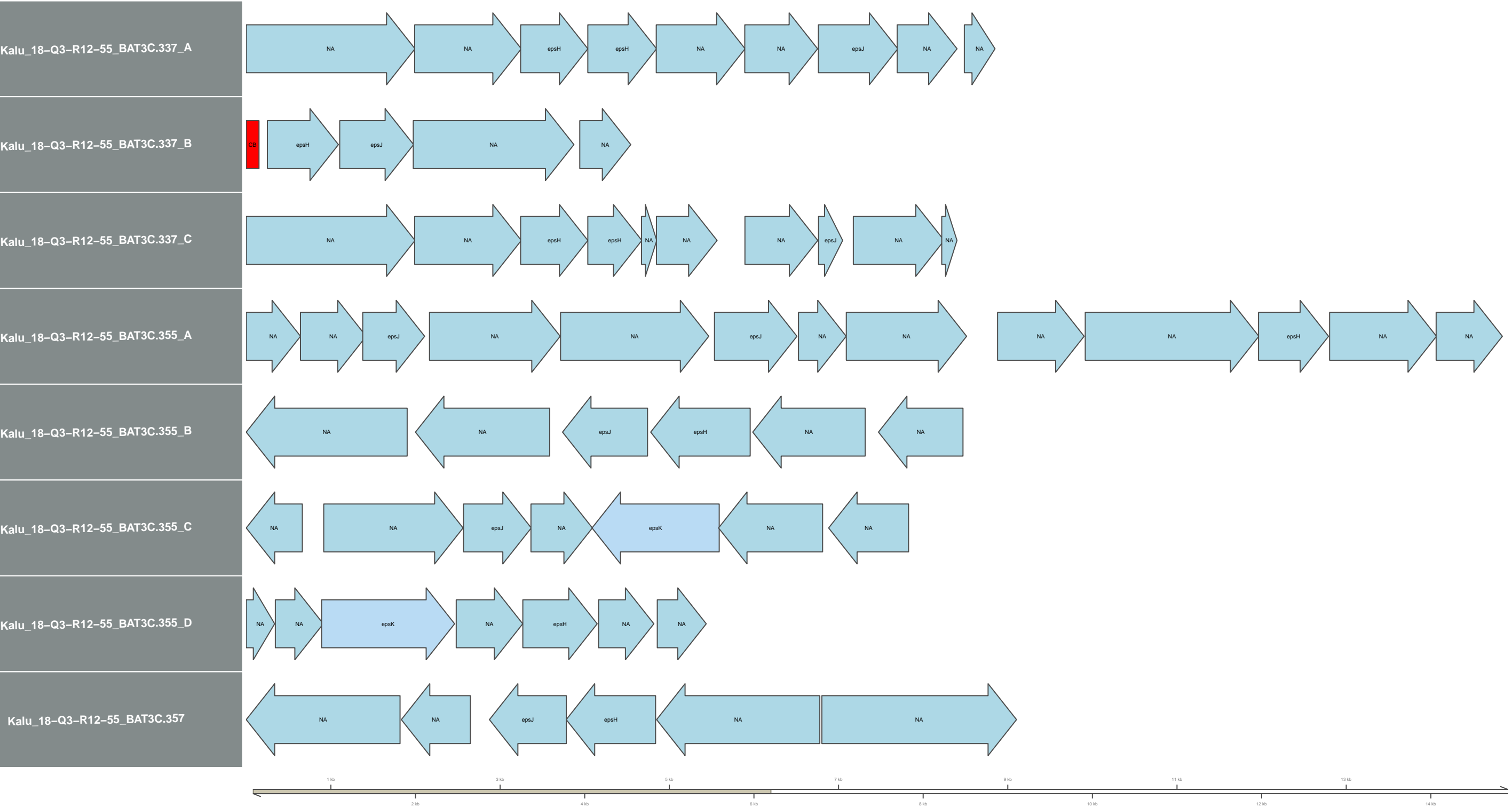
pnag_eps



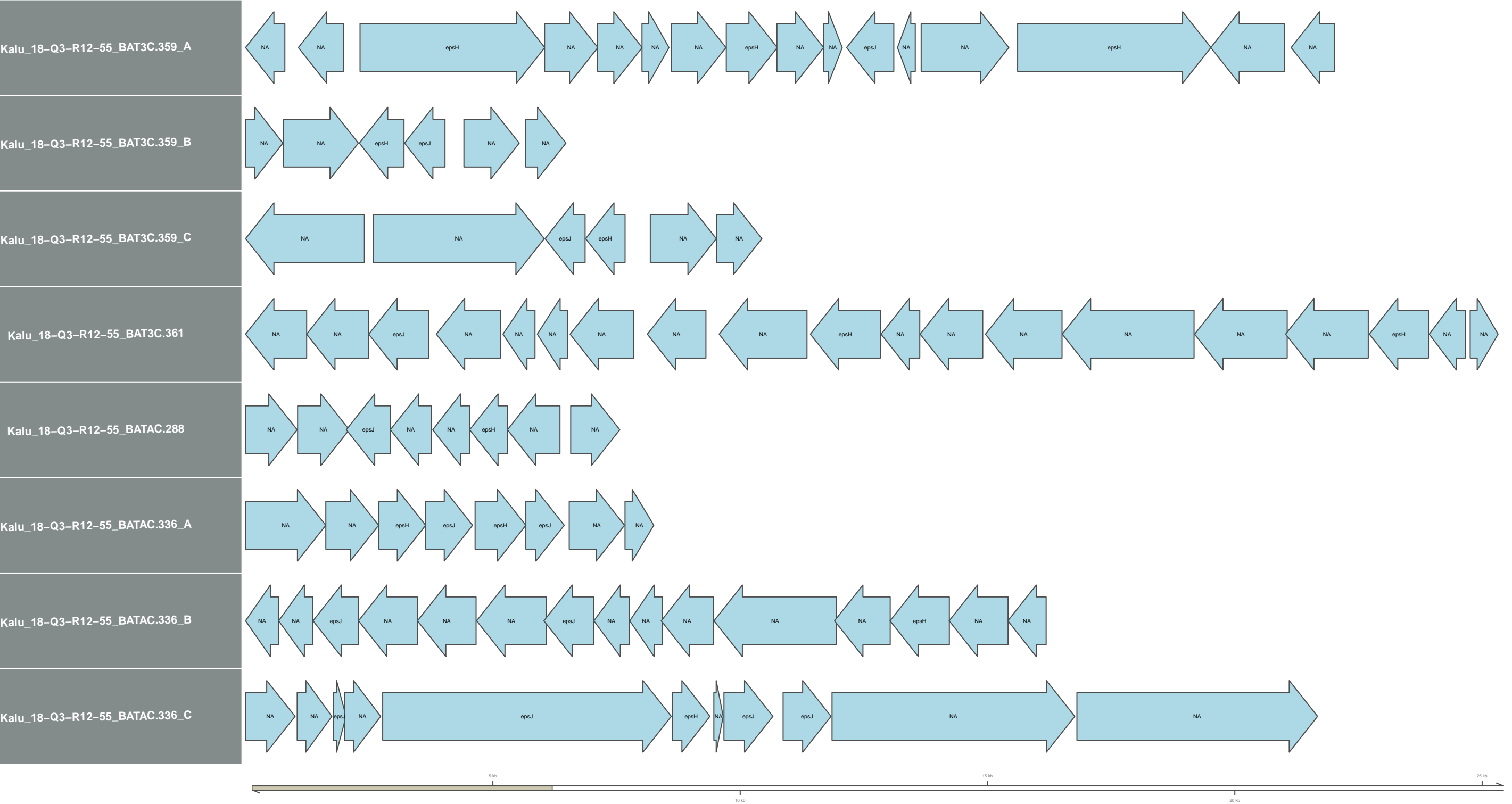
pnag_eps



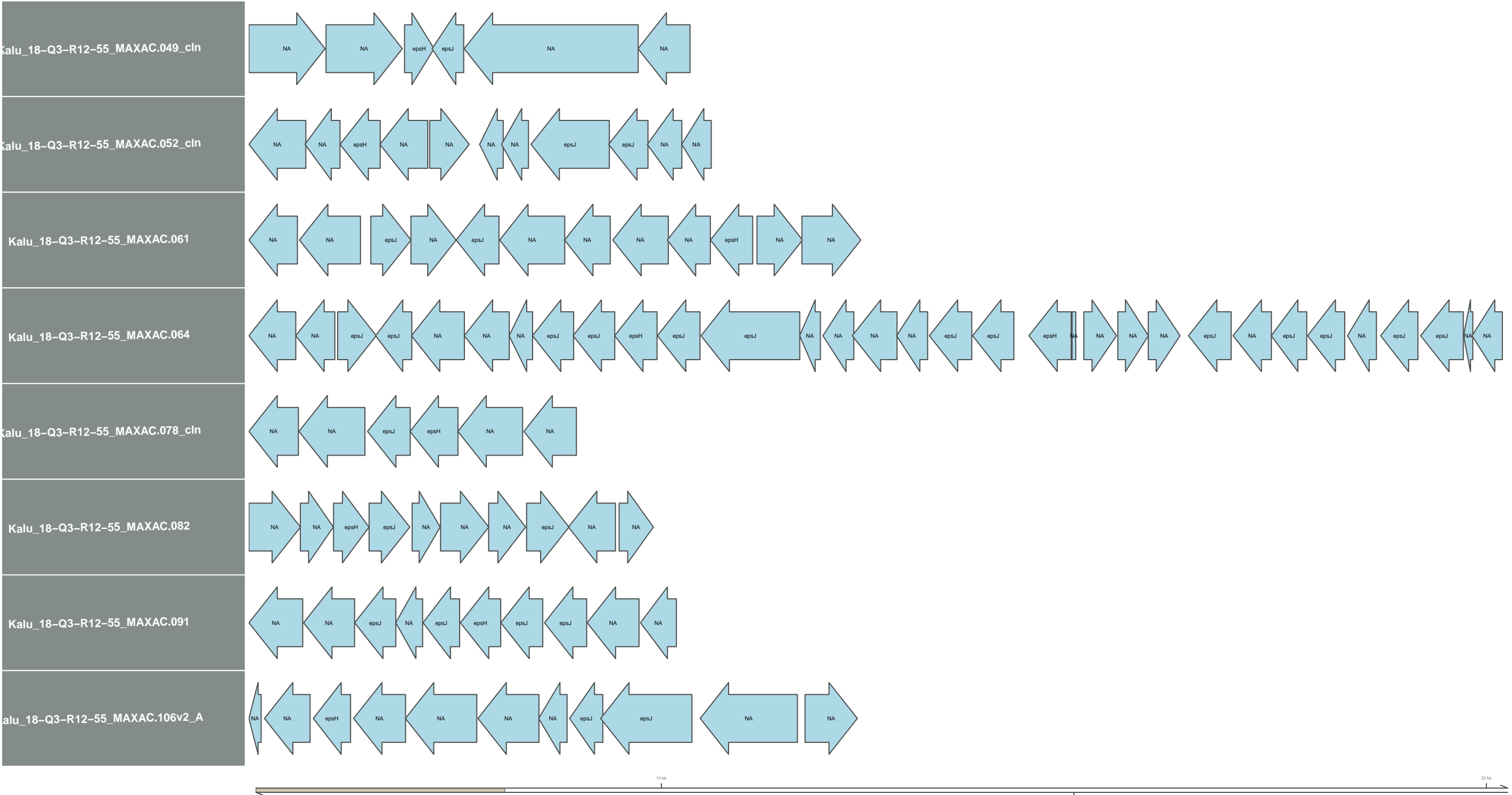
pnag_eps



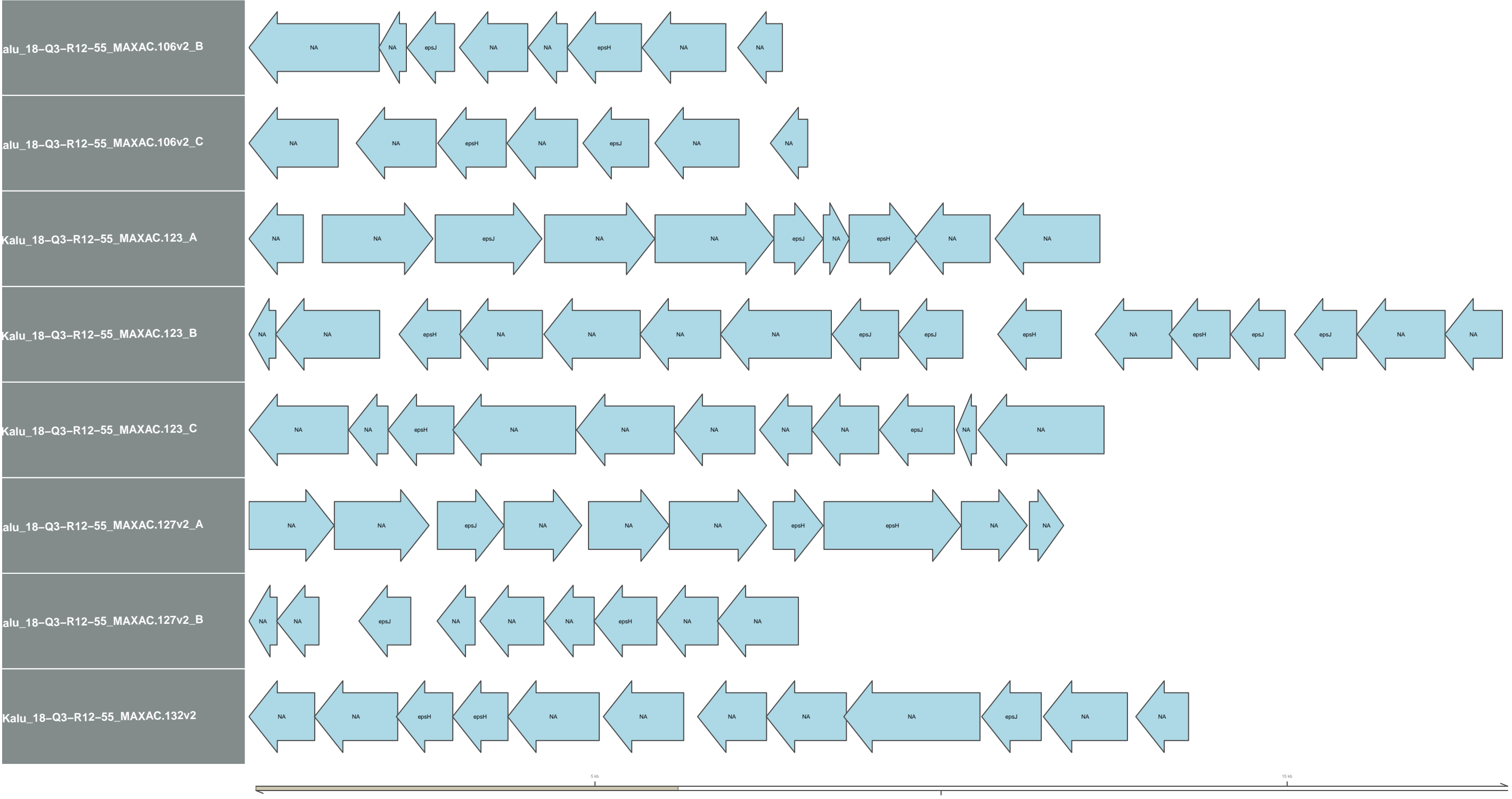
pnag_eps



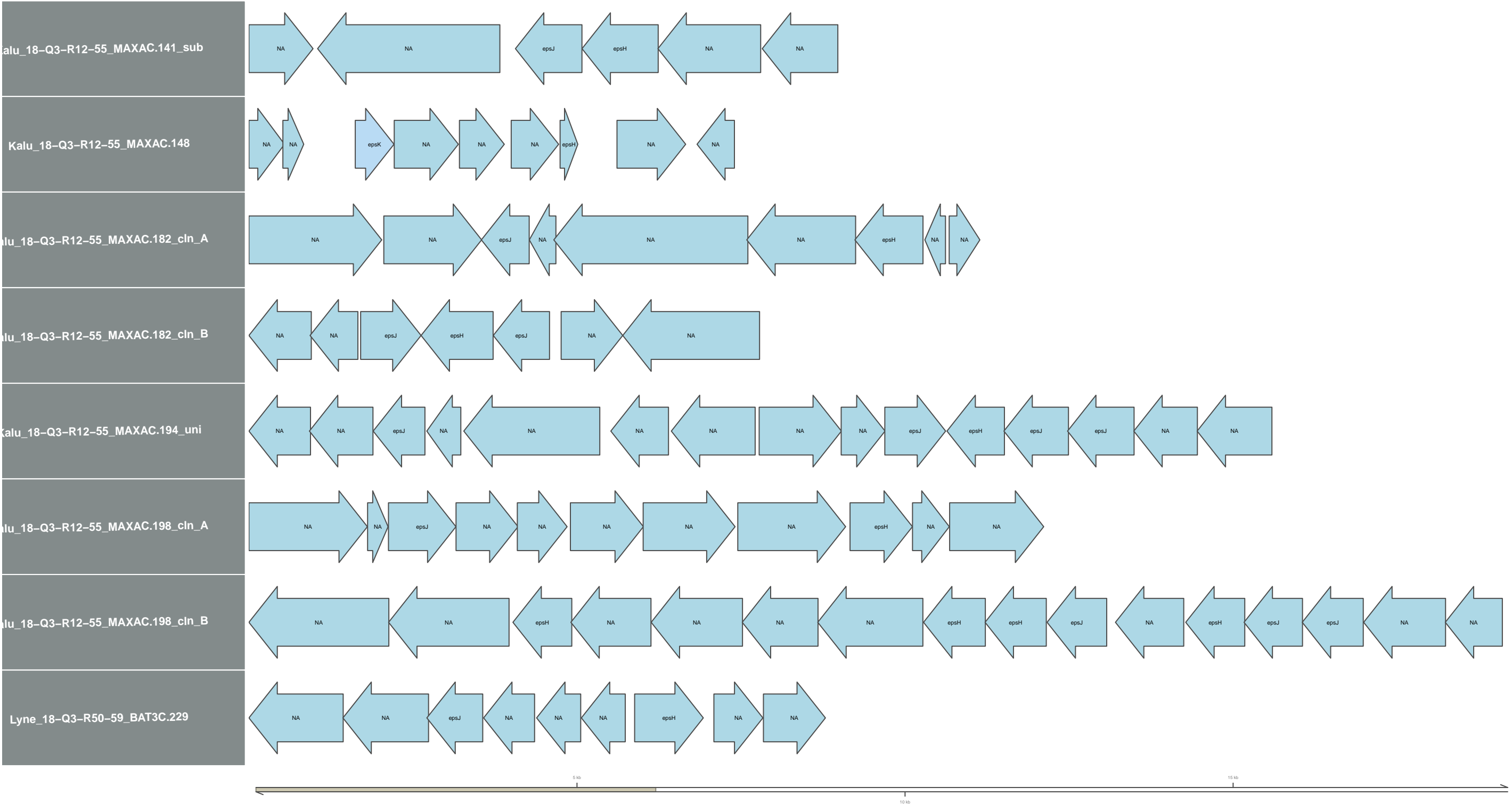
pnag_eps



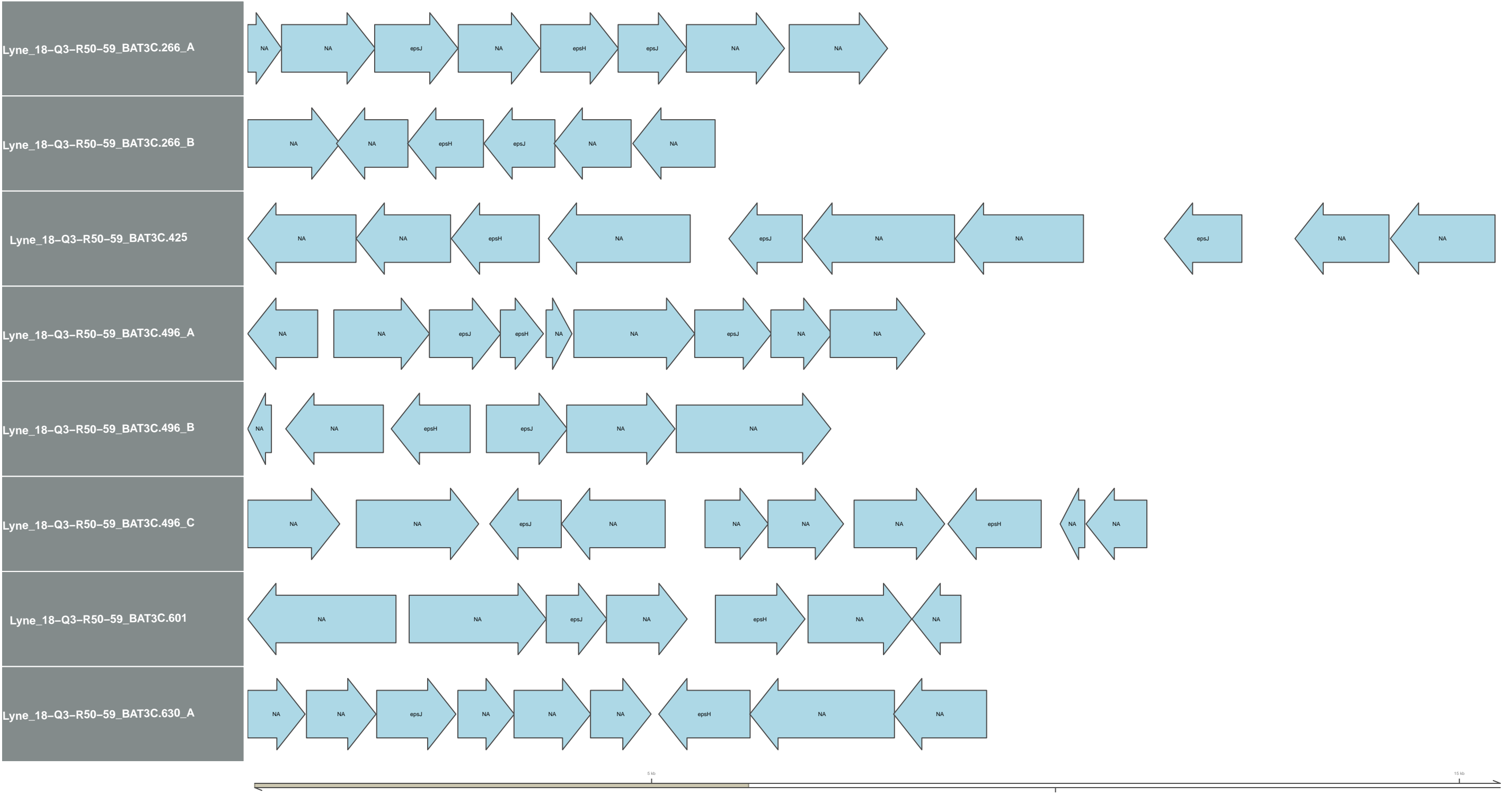
pnag_eps



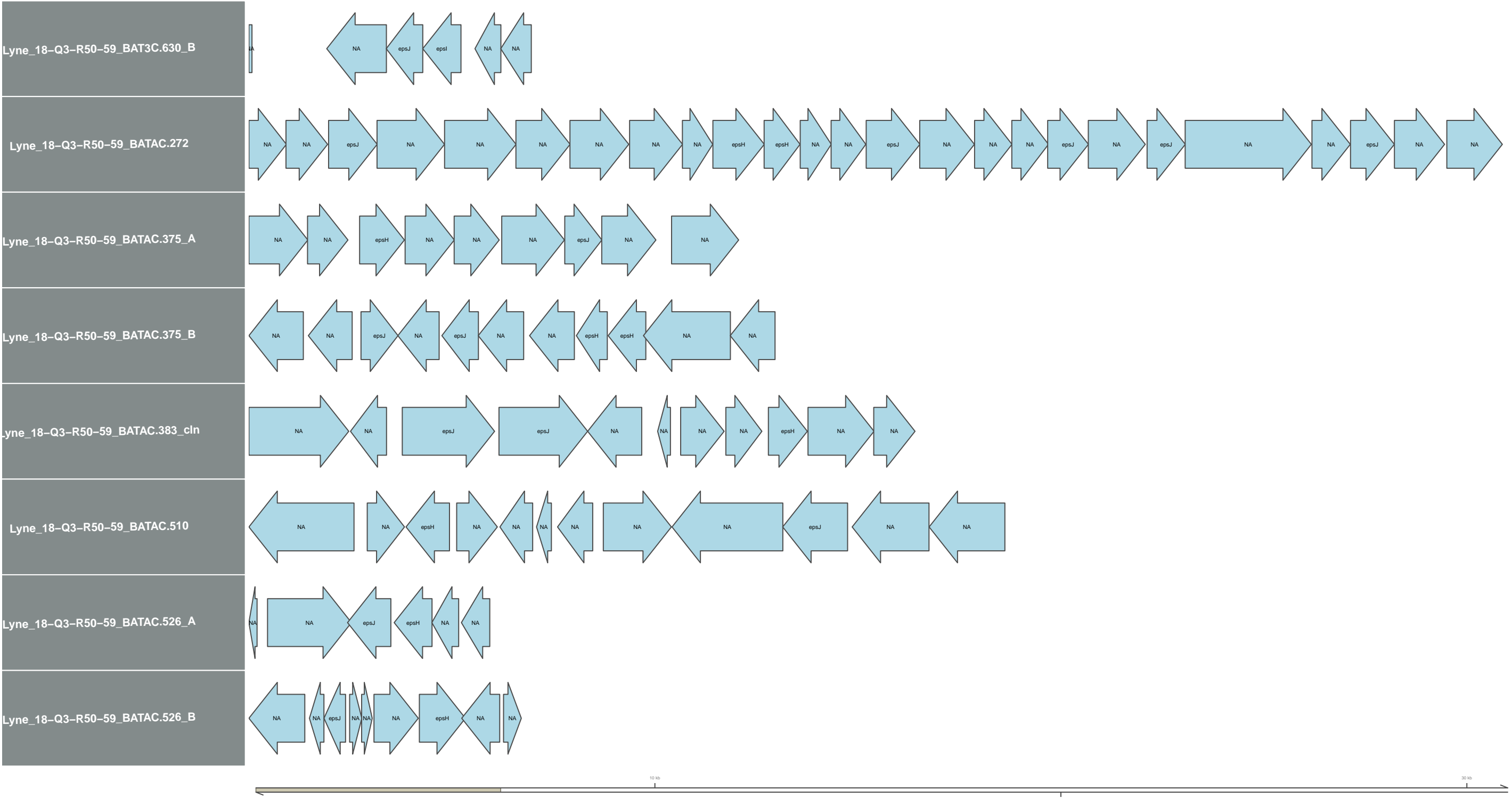
pnag_eps



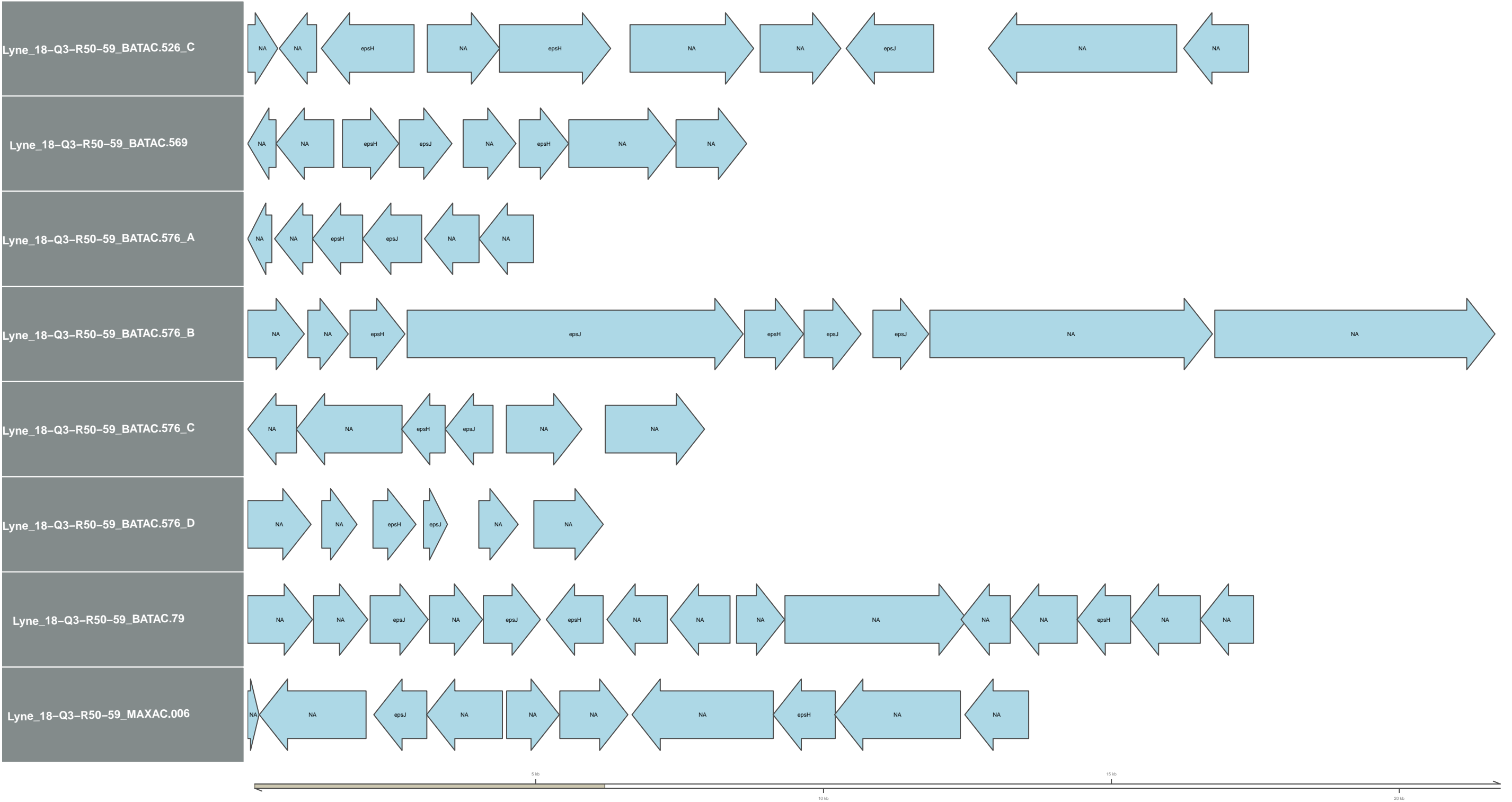
pnag_eps



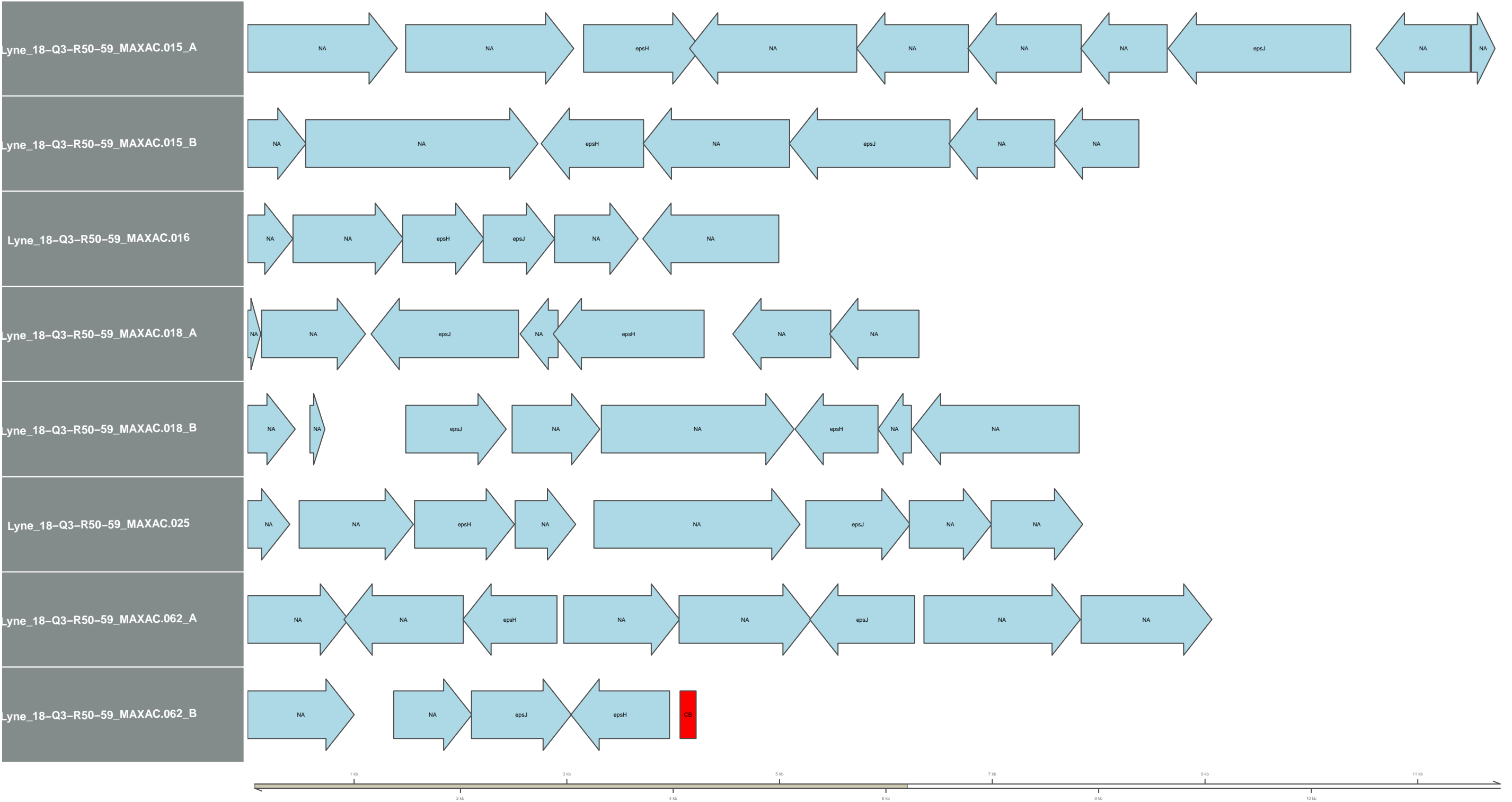
pnag_eps



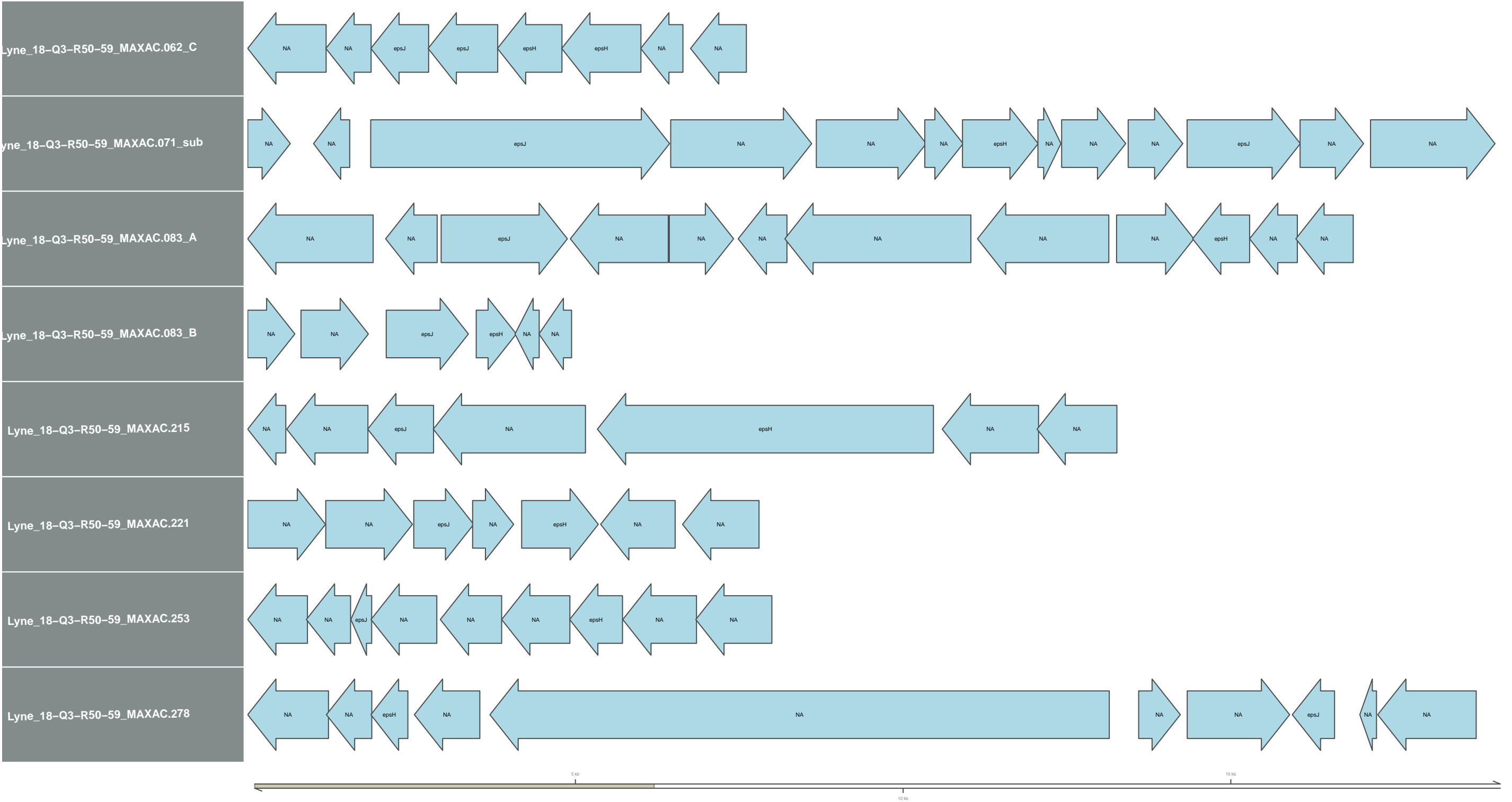
pnag_eps



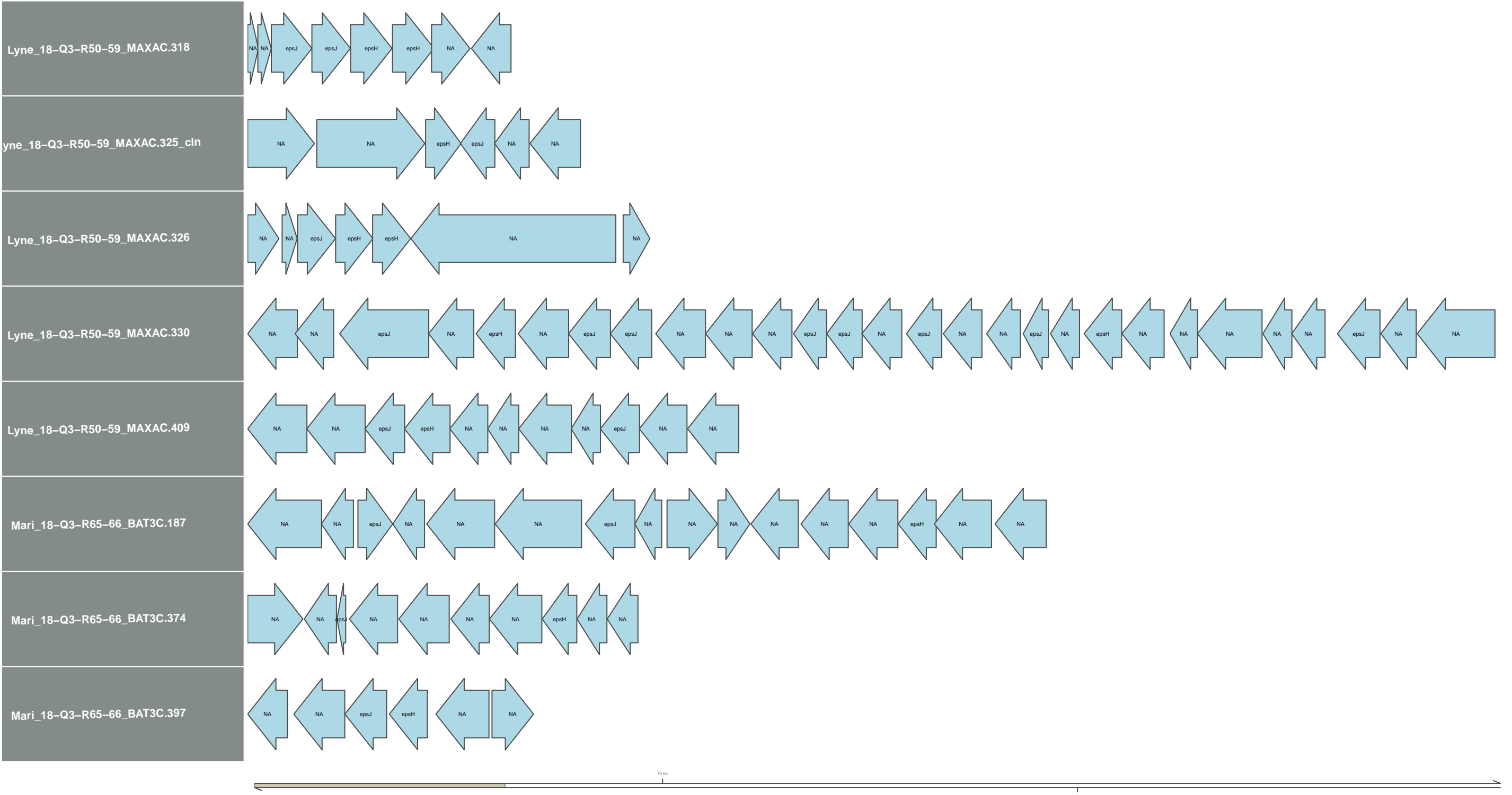
pnag_eps



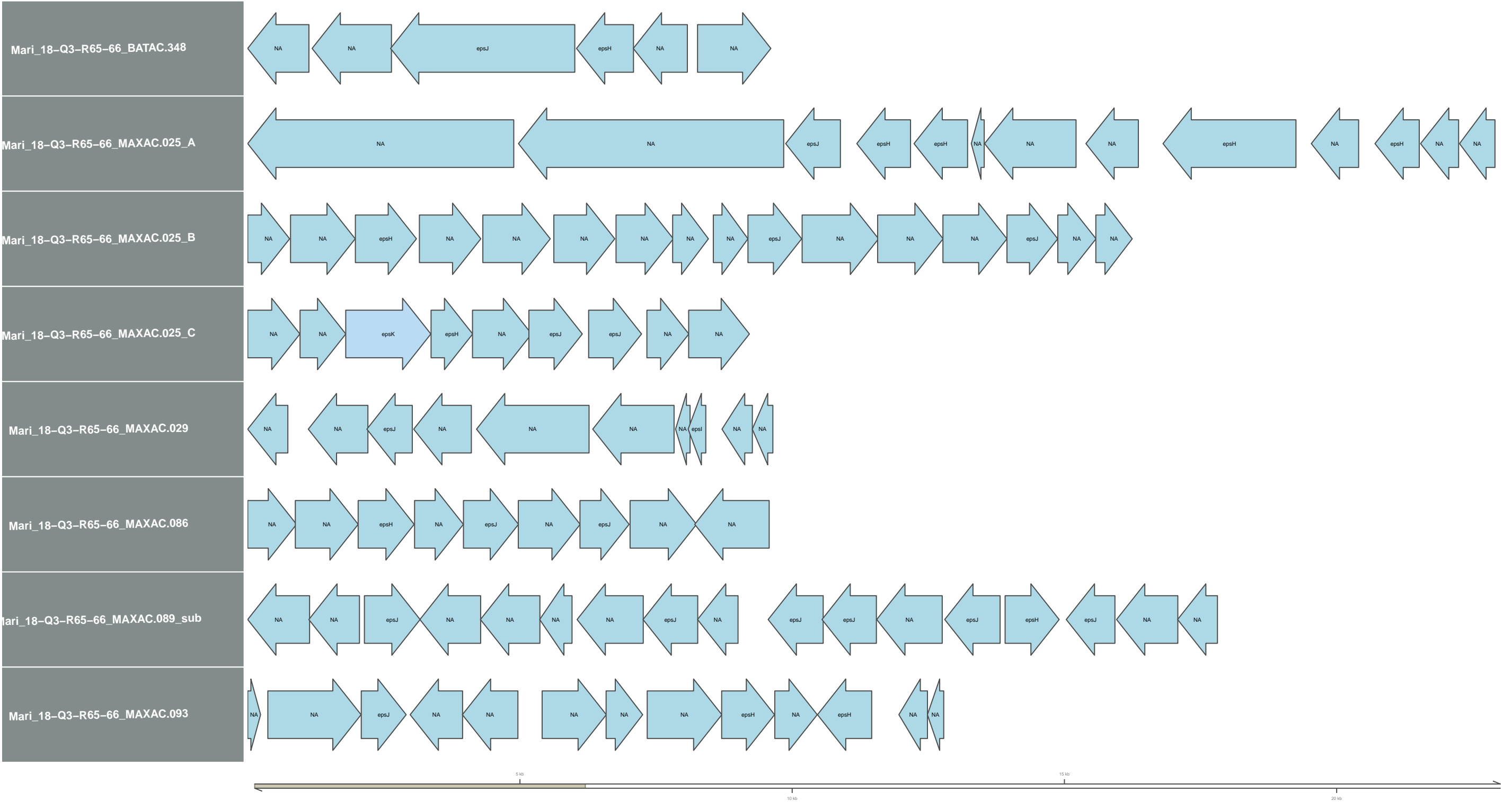
pnag_eps



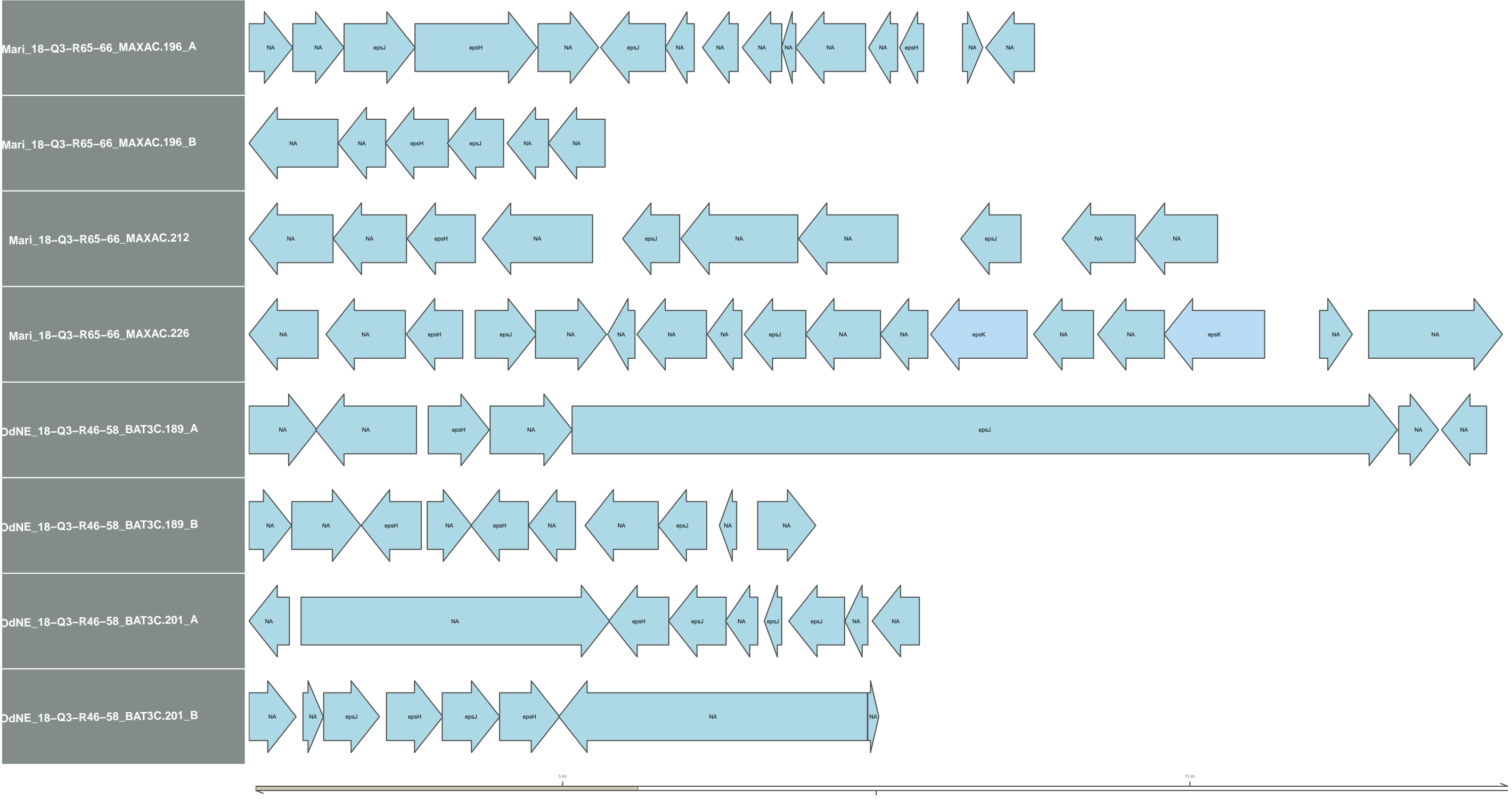
pnag_eps



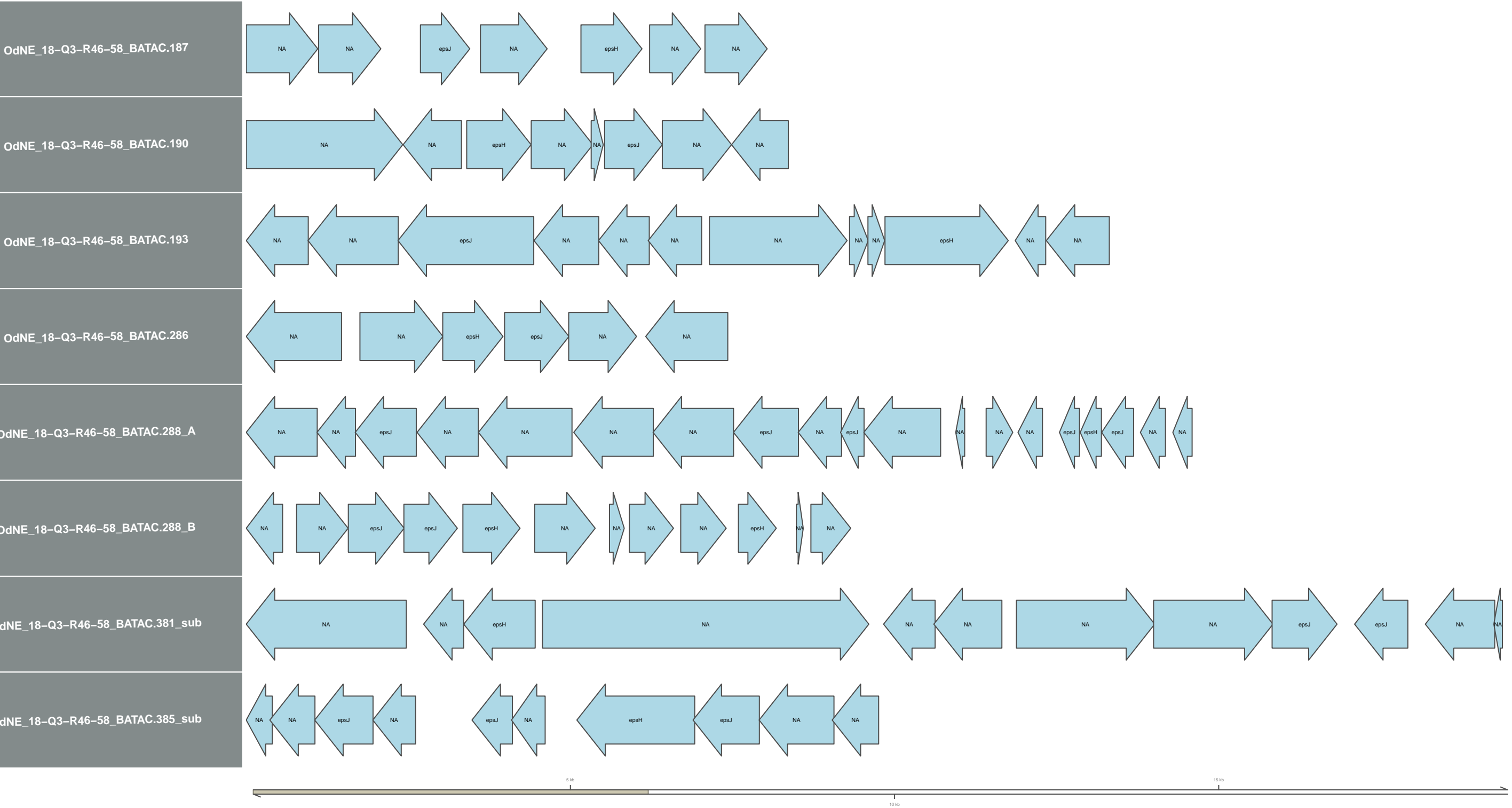
pnag_eps



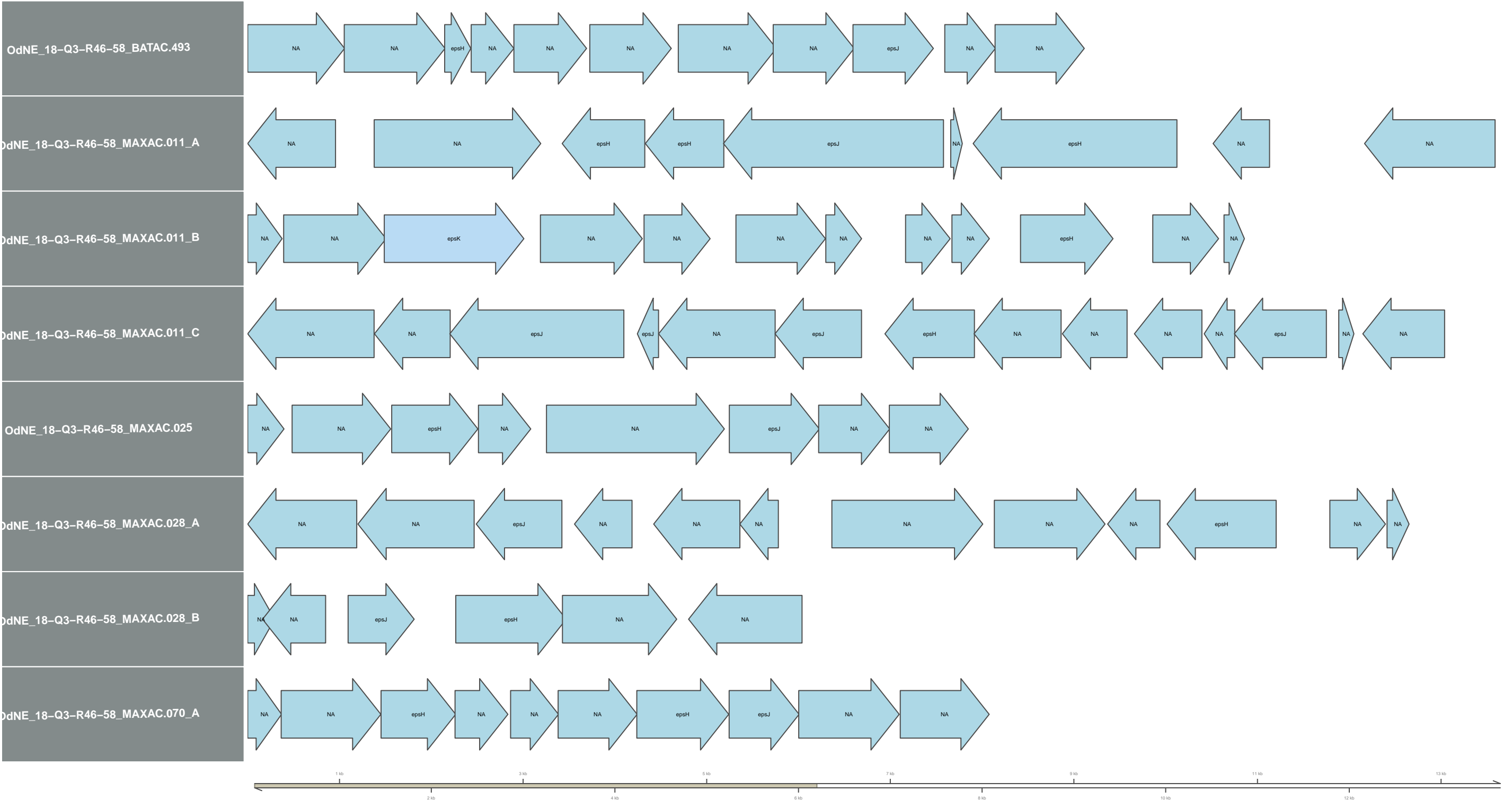
pnag_eps



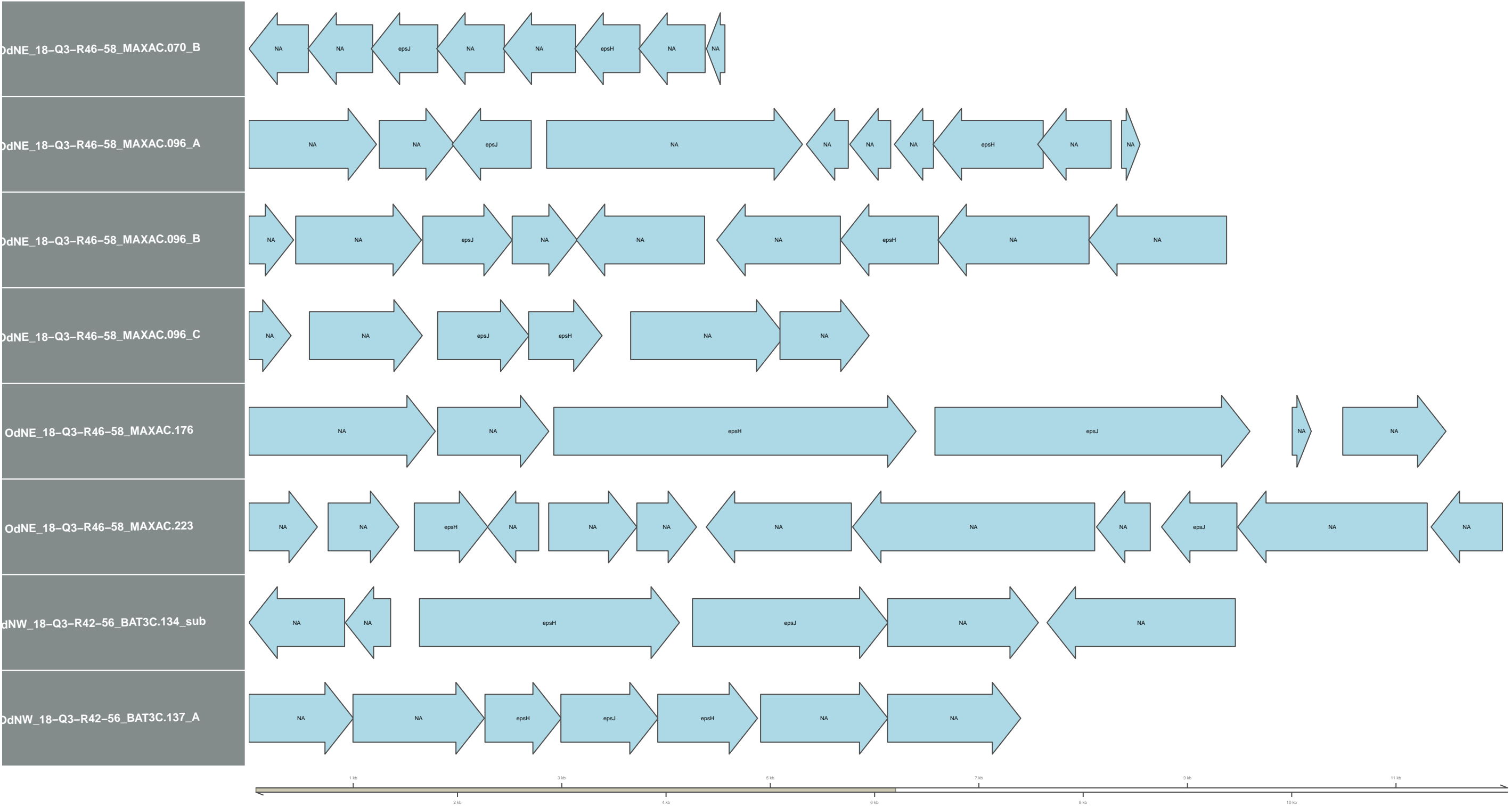
pnag_eps



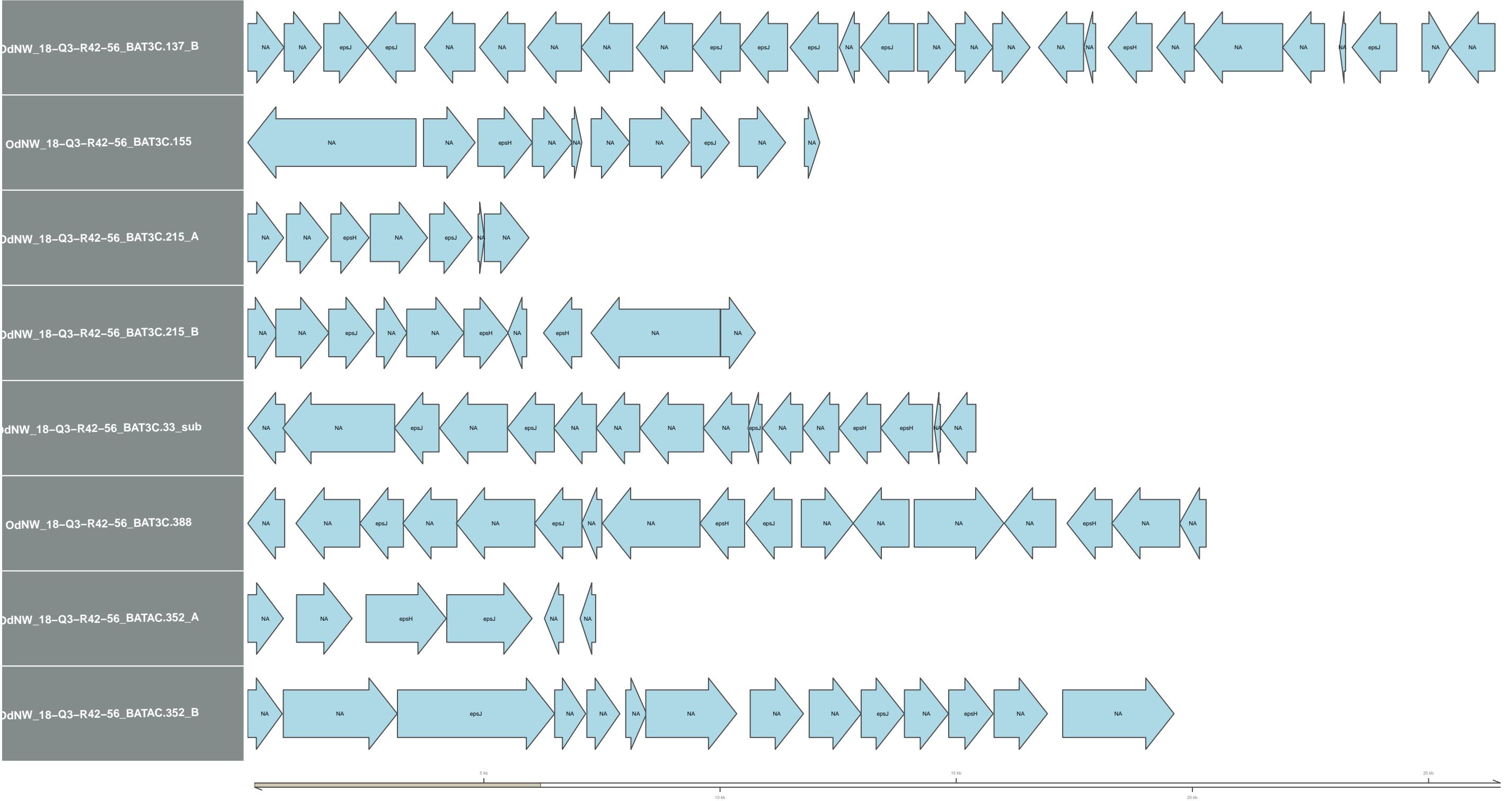
pnag_eps



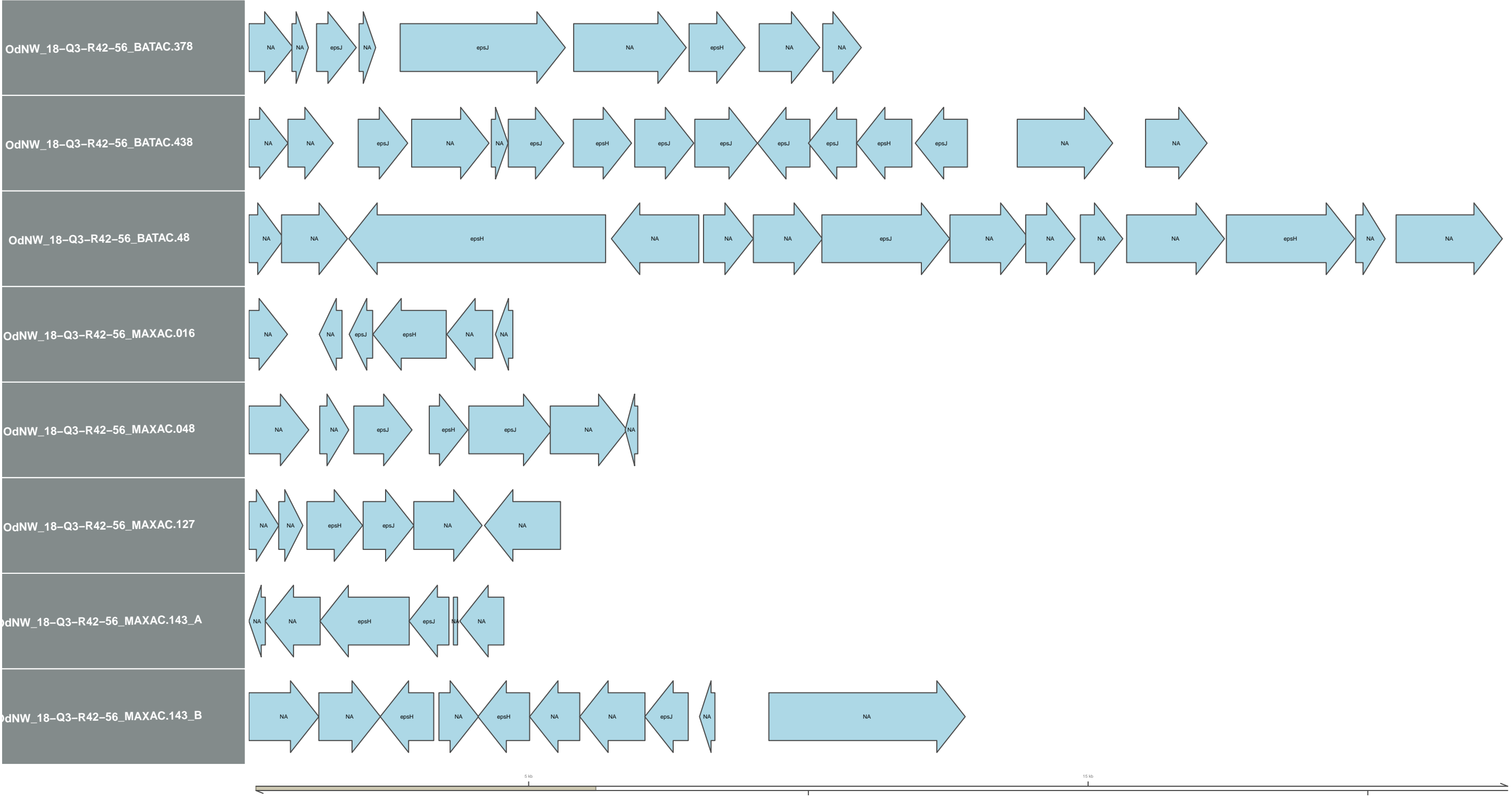
pnag_eps



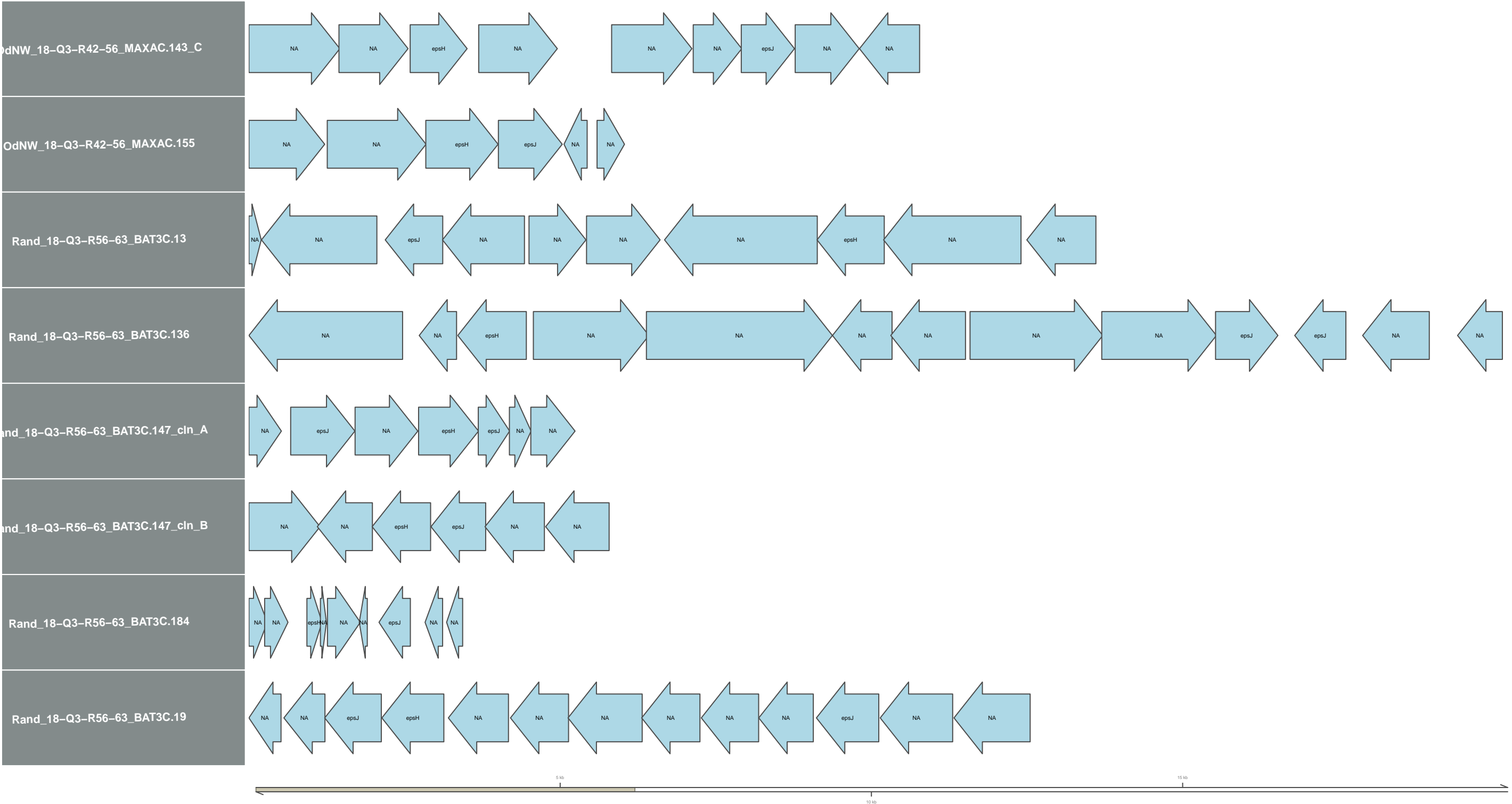
pnag_eps



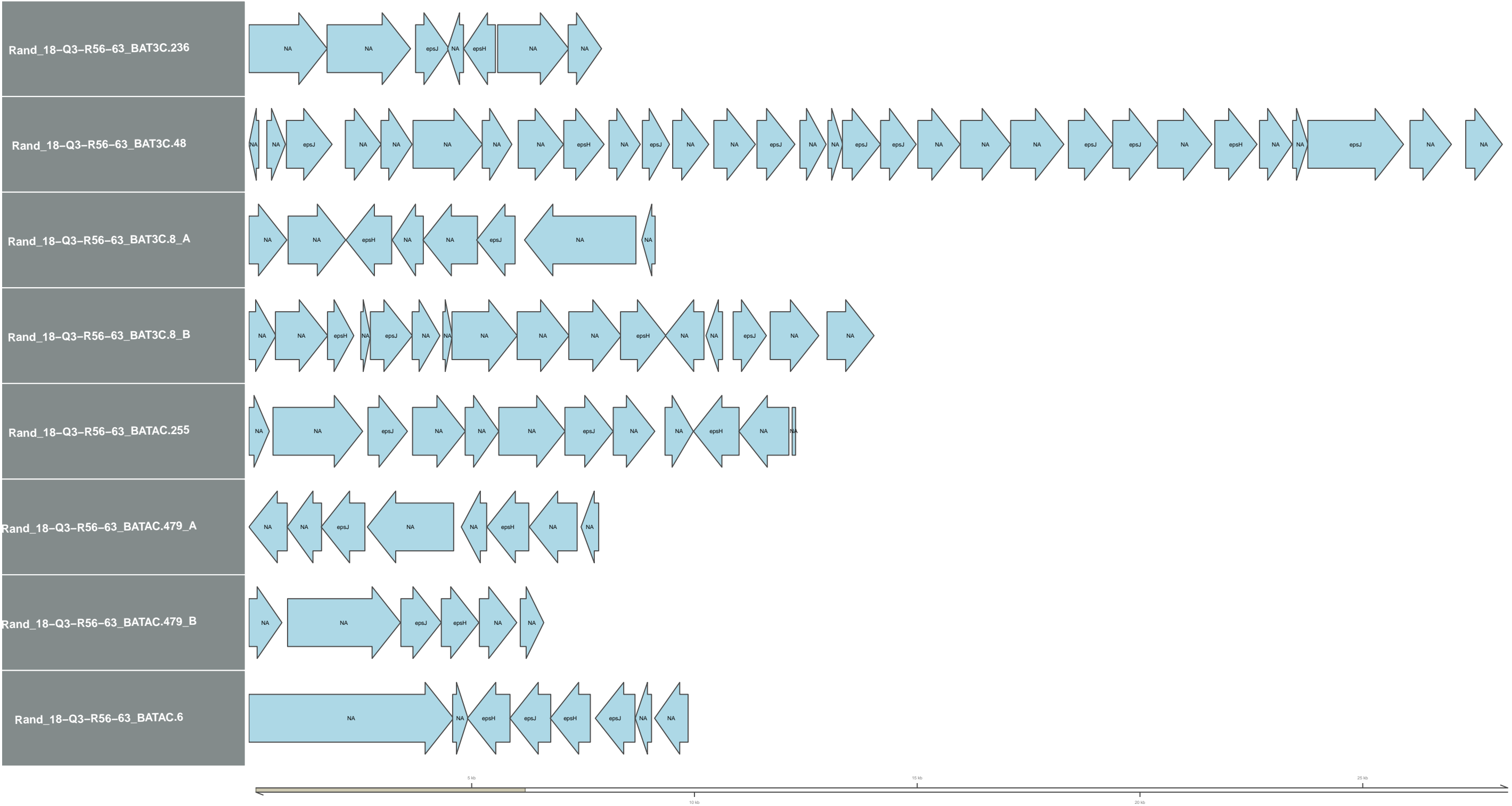
pnag_eps



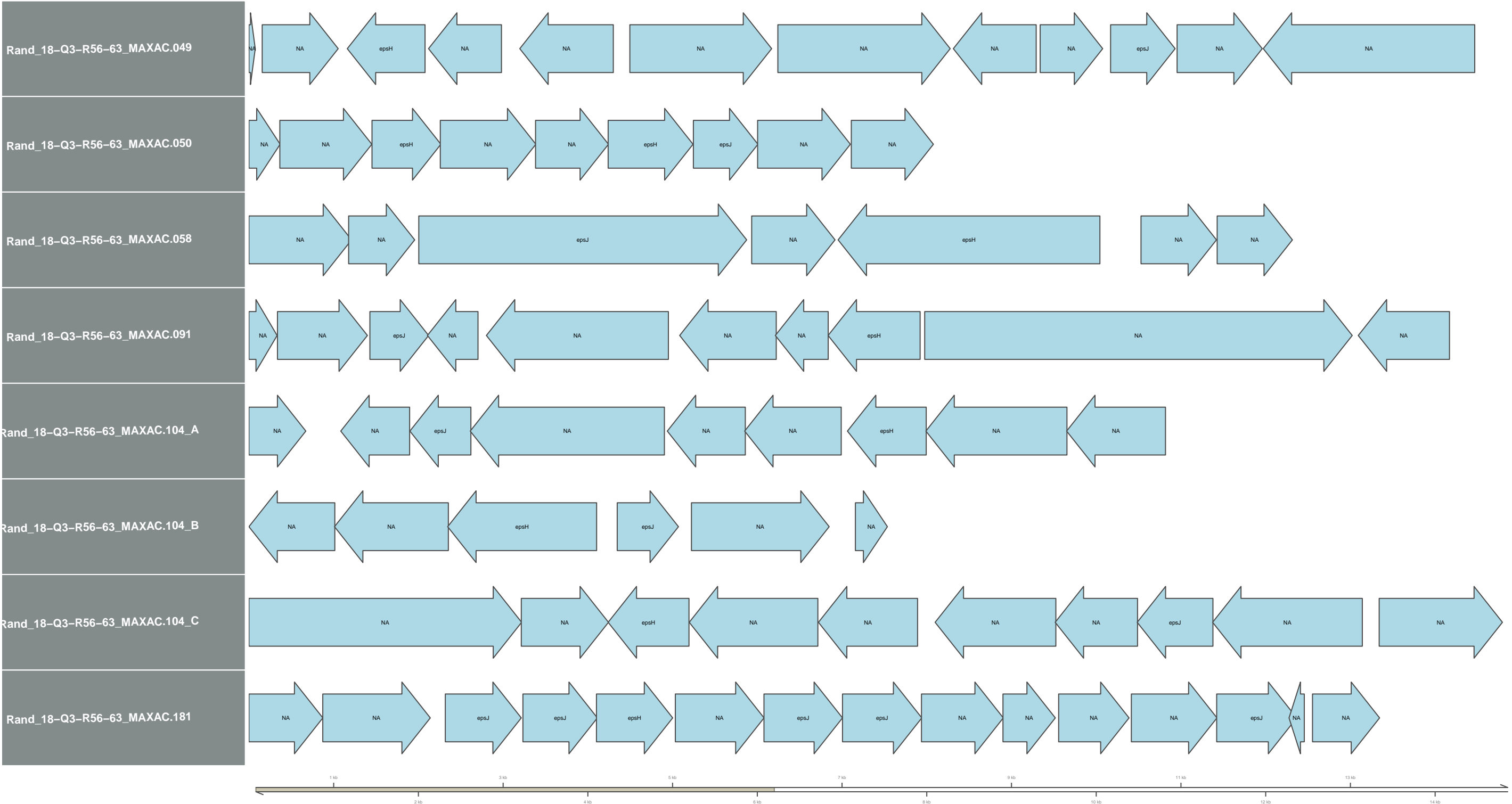
pnag_eps



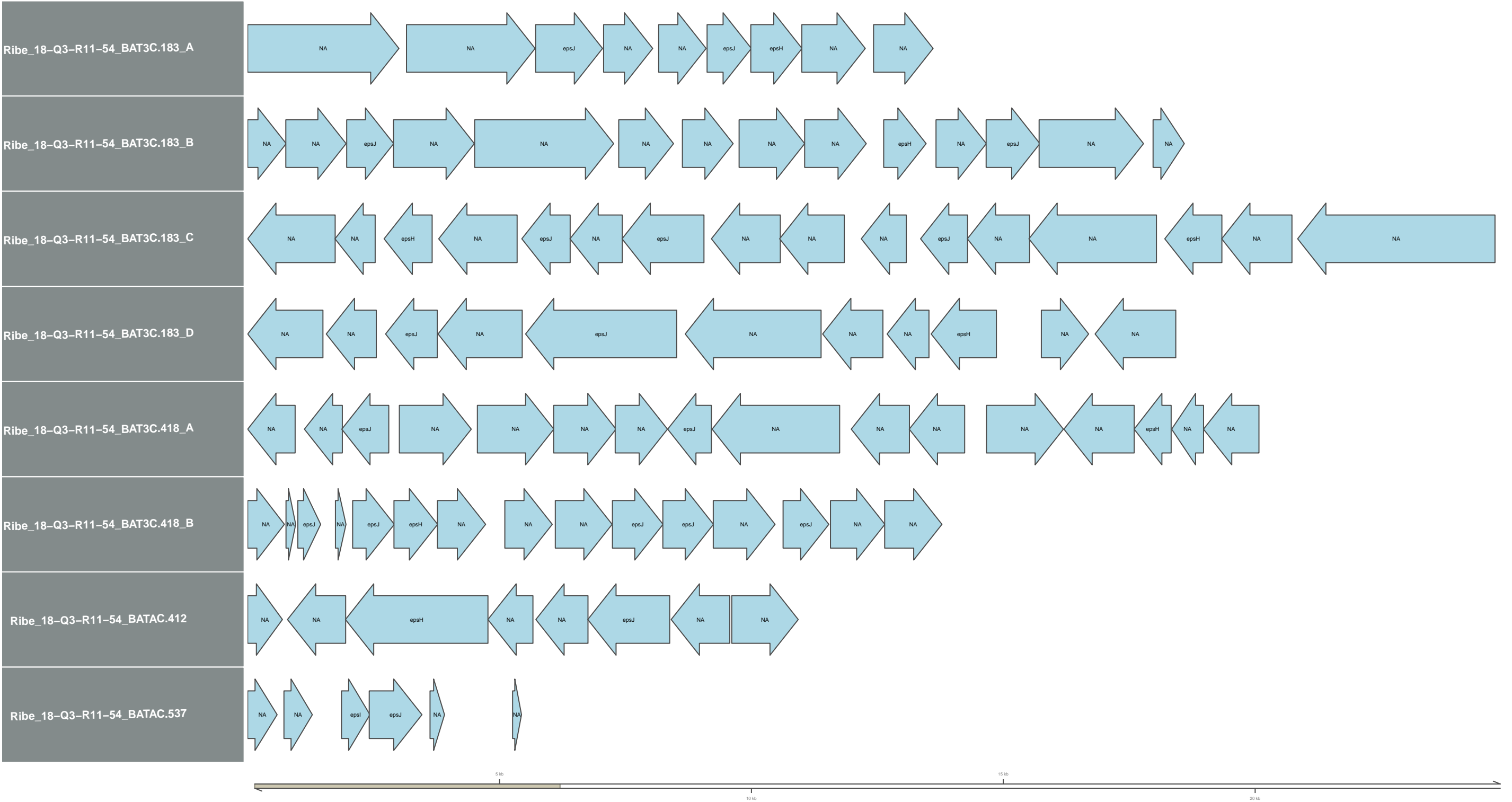
pnag_eps



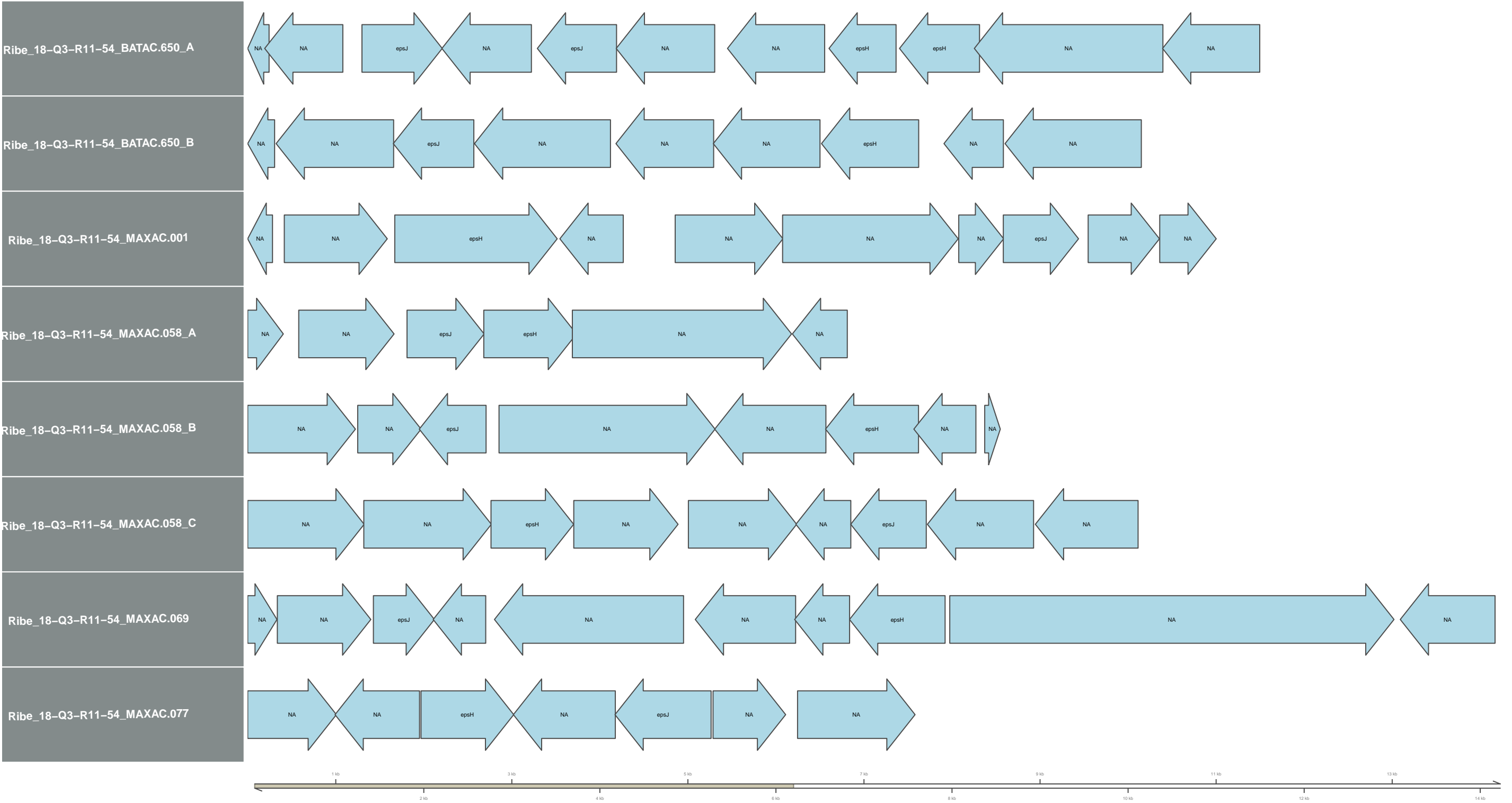
pnag_eps



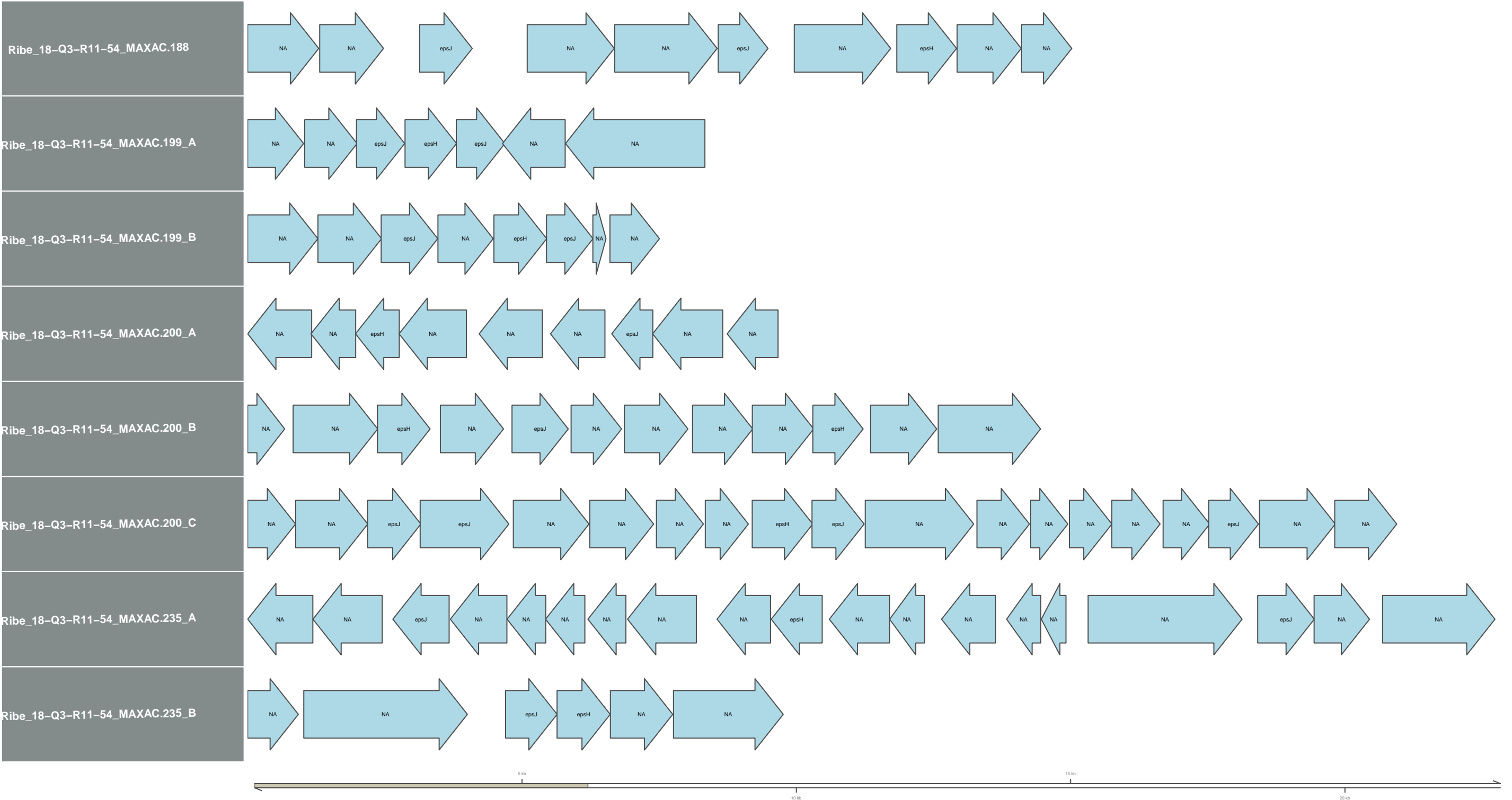
pnag_eps



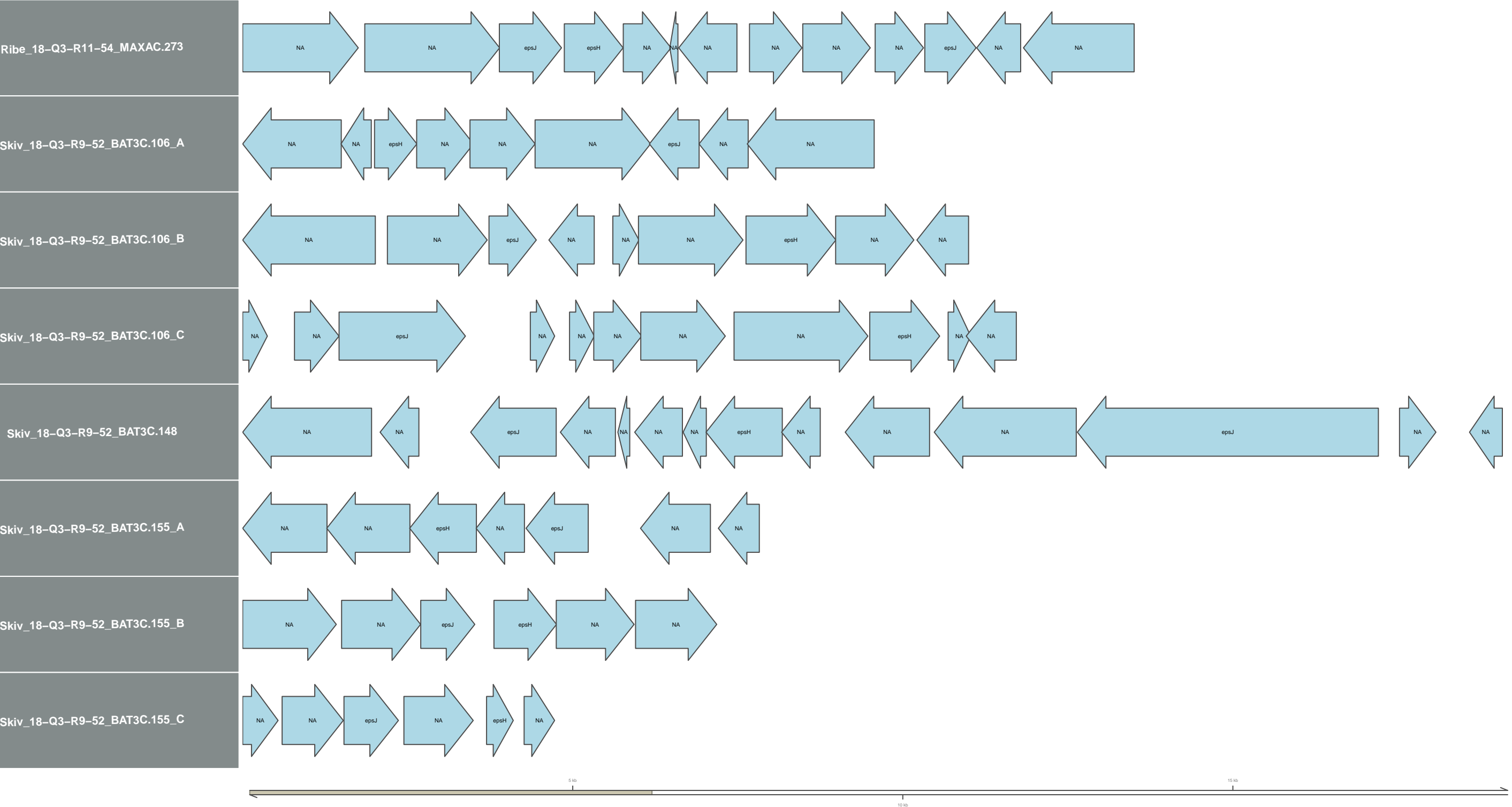
pnag_eps



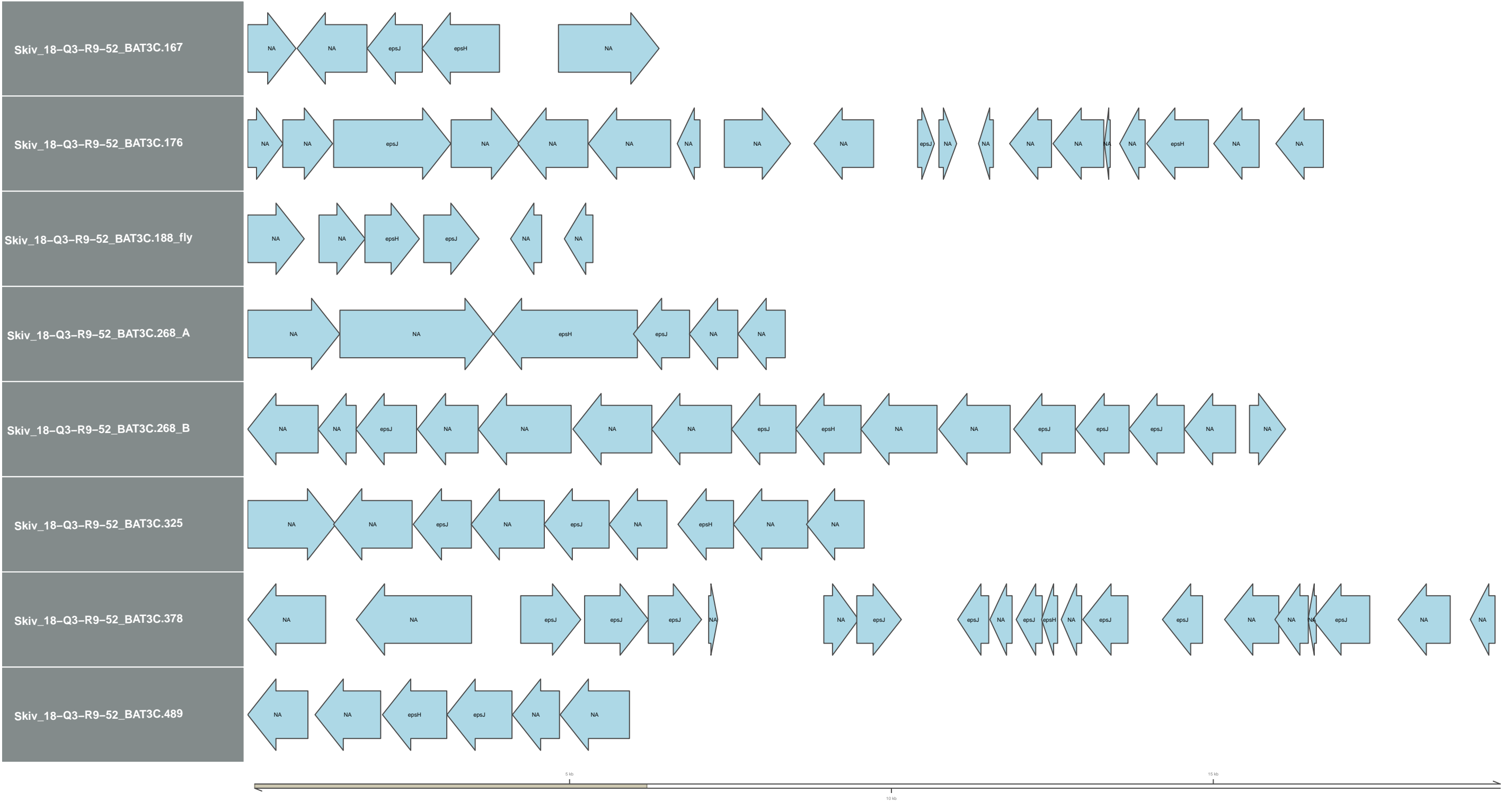
pnag_eps



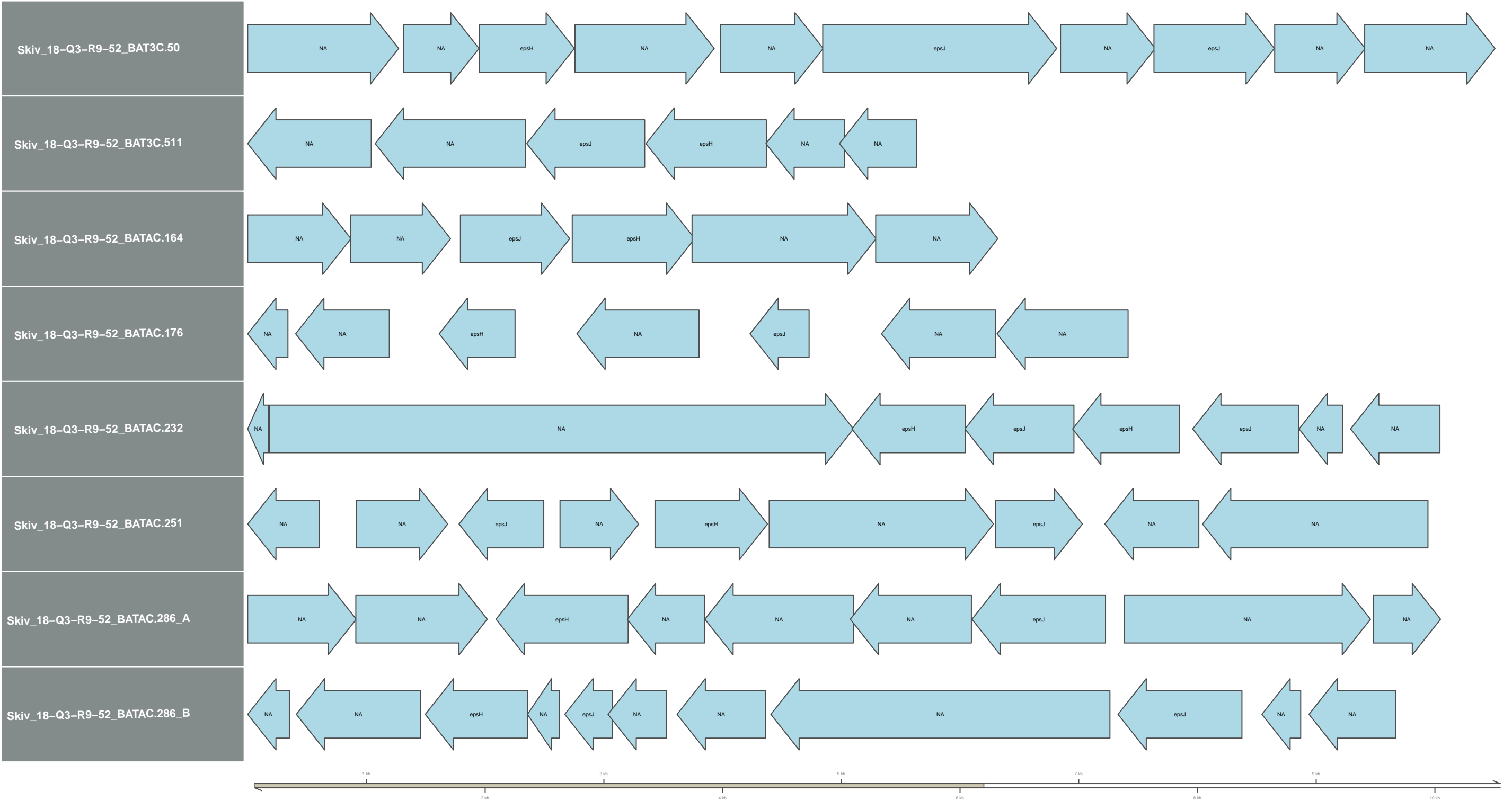
pnag_eps



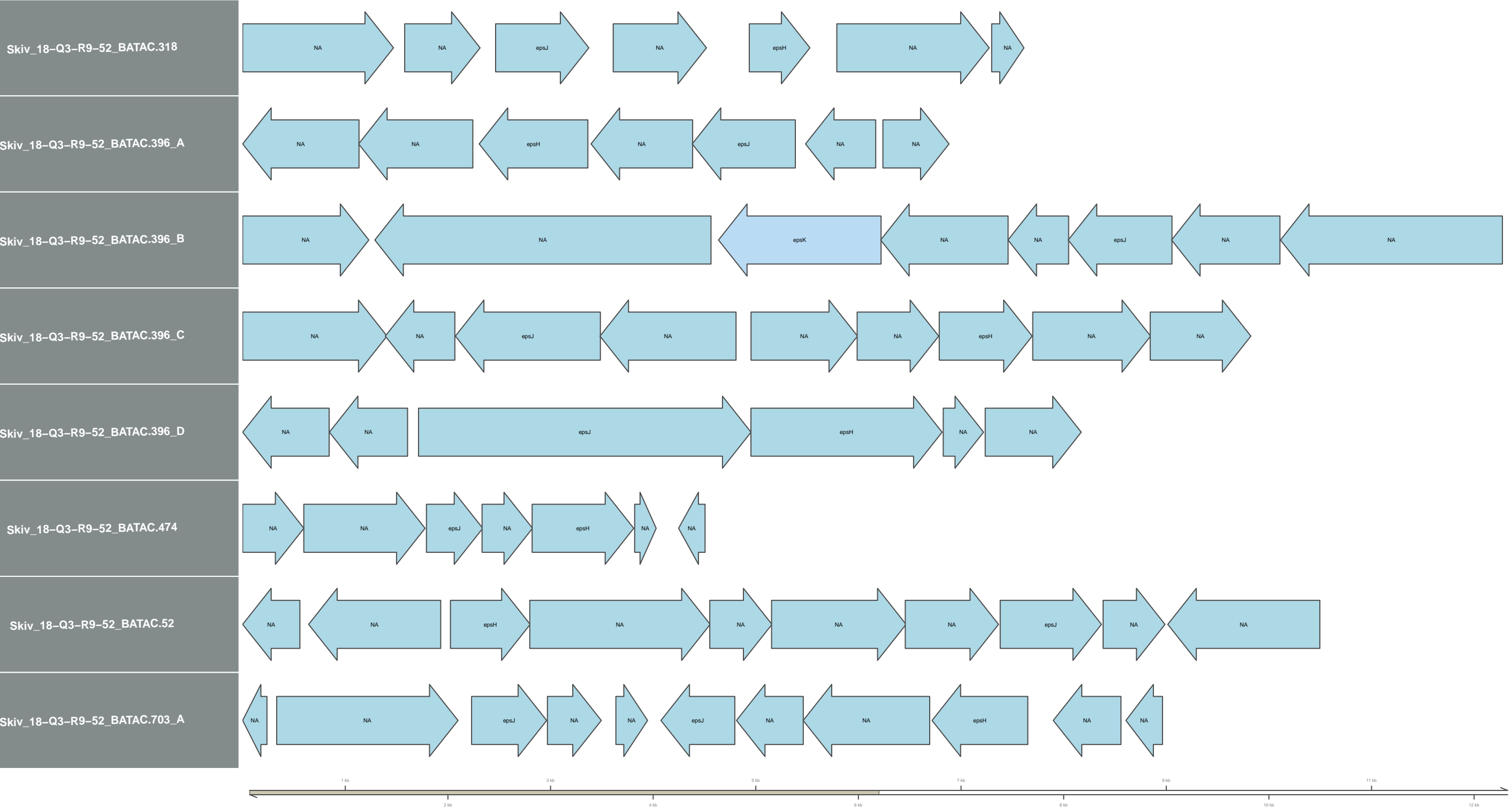
pnag_eps



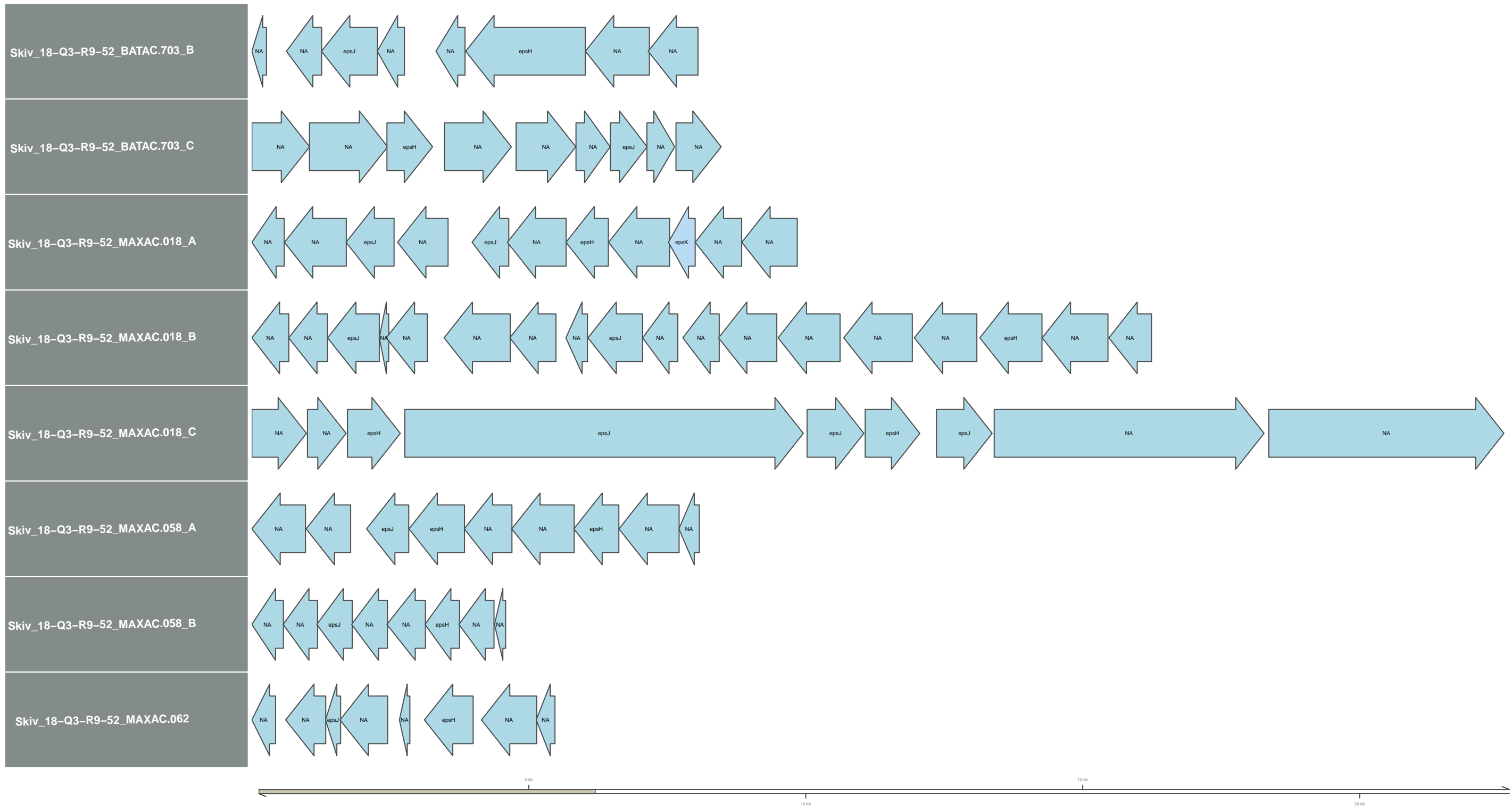
pnag_eps



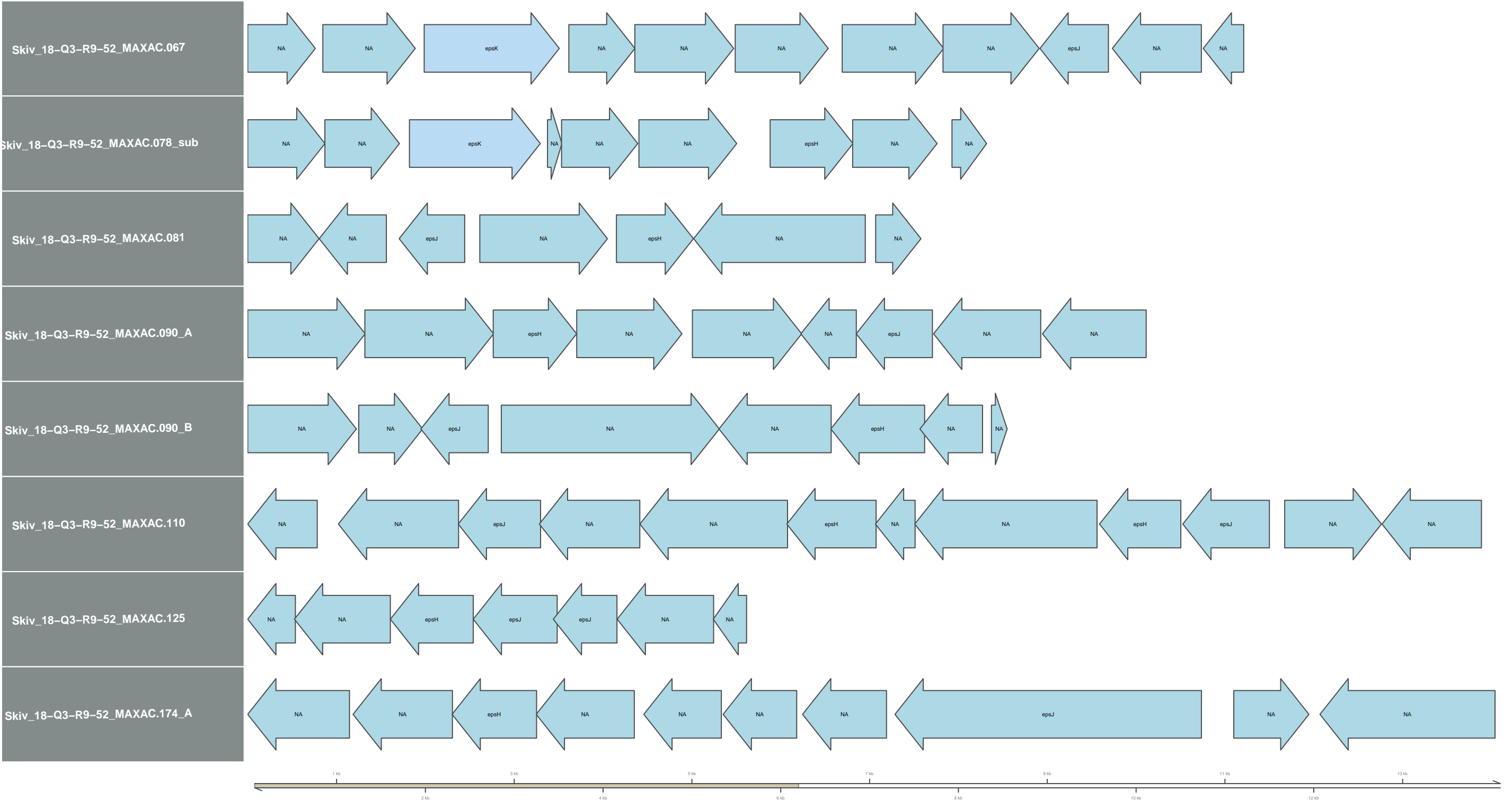
pnag_eps



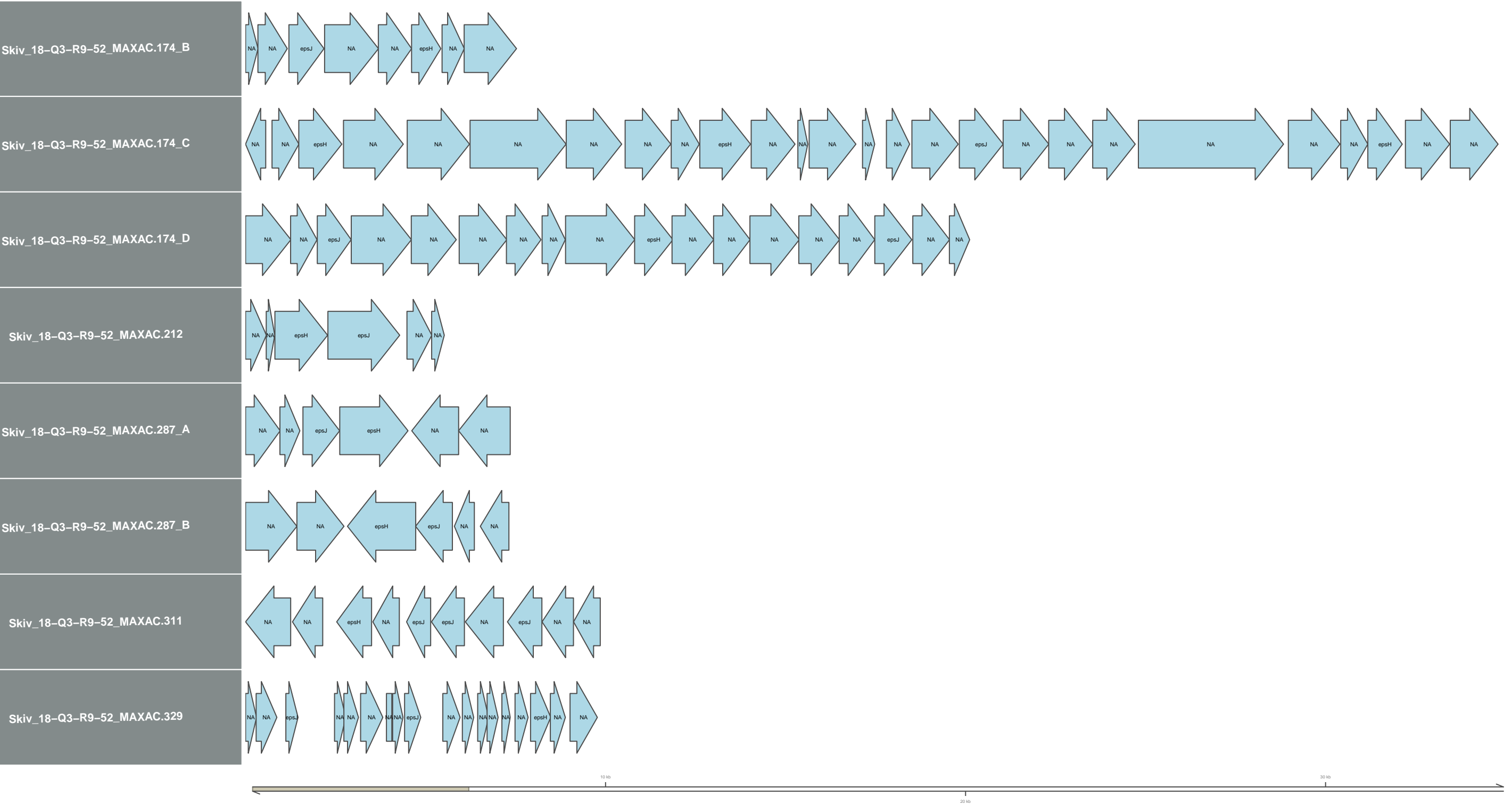
pnag_eps



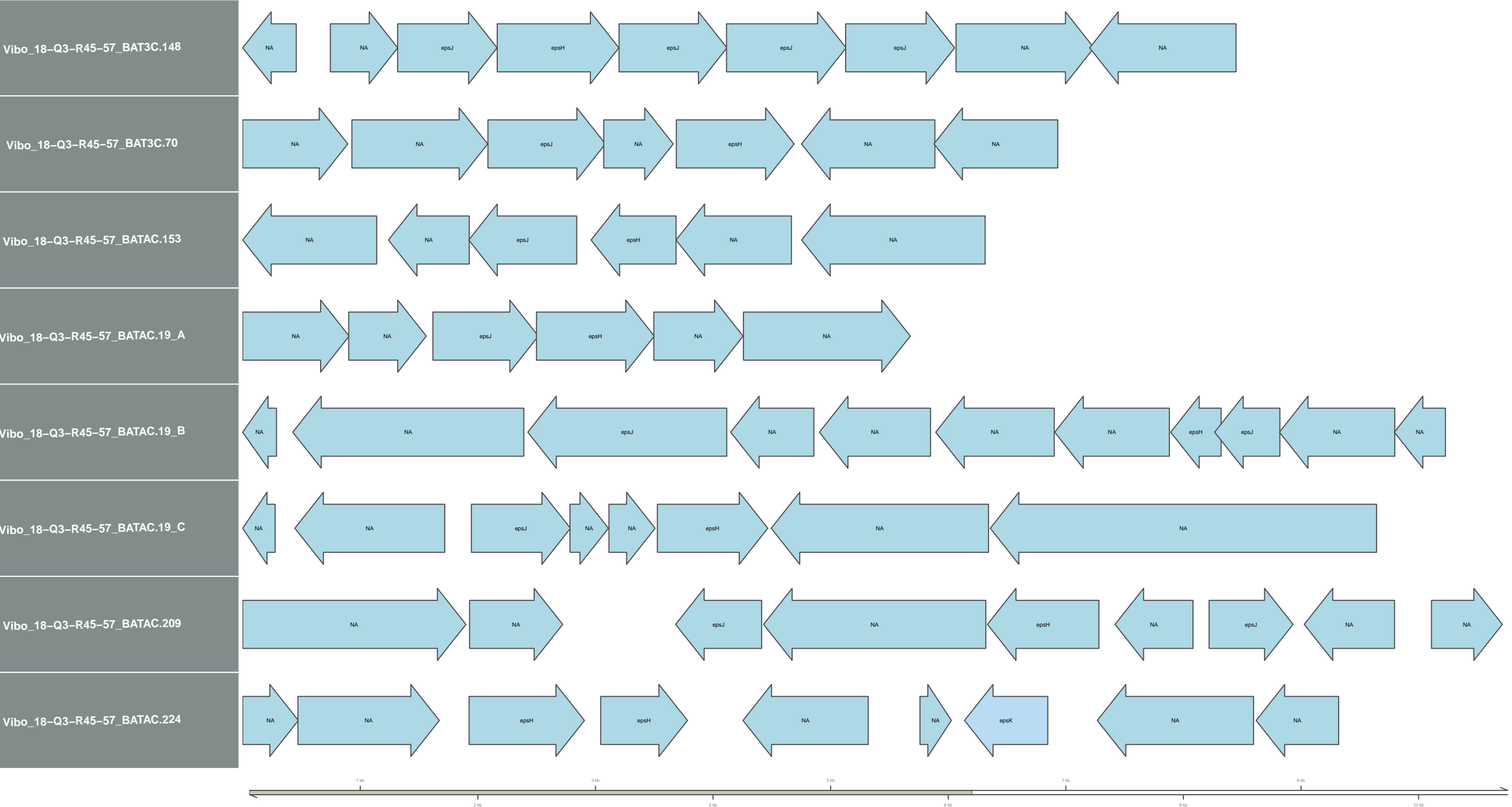
pnag_eps



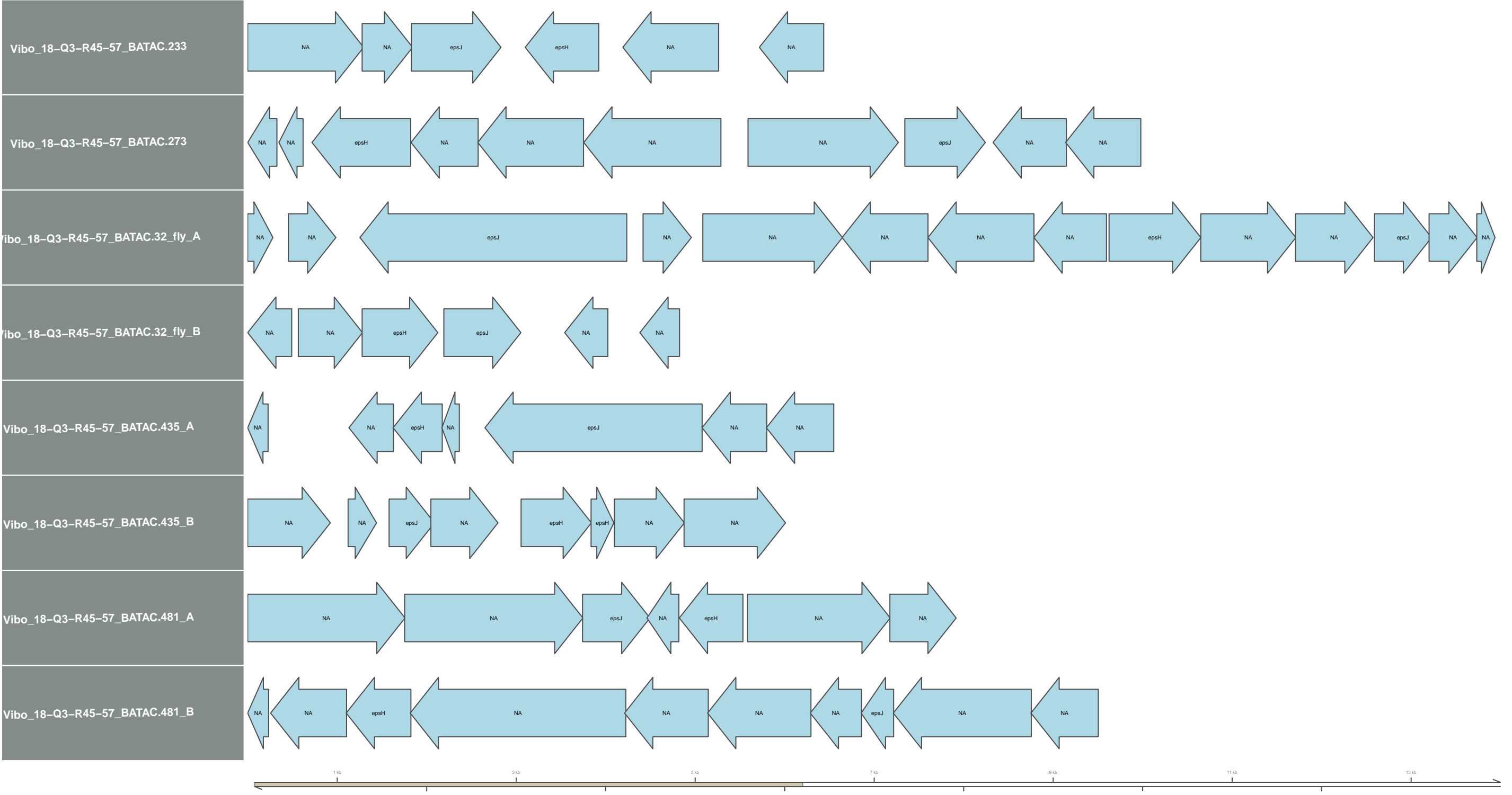
pnag_eps



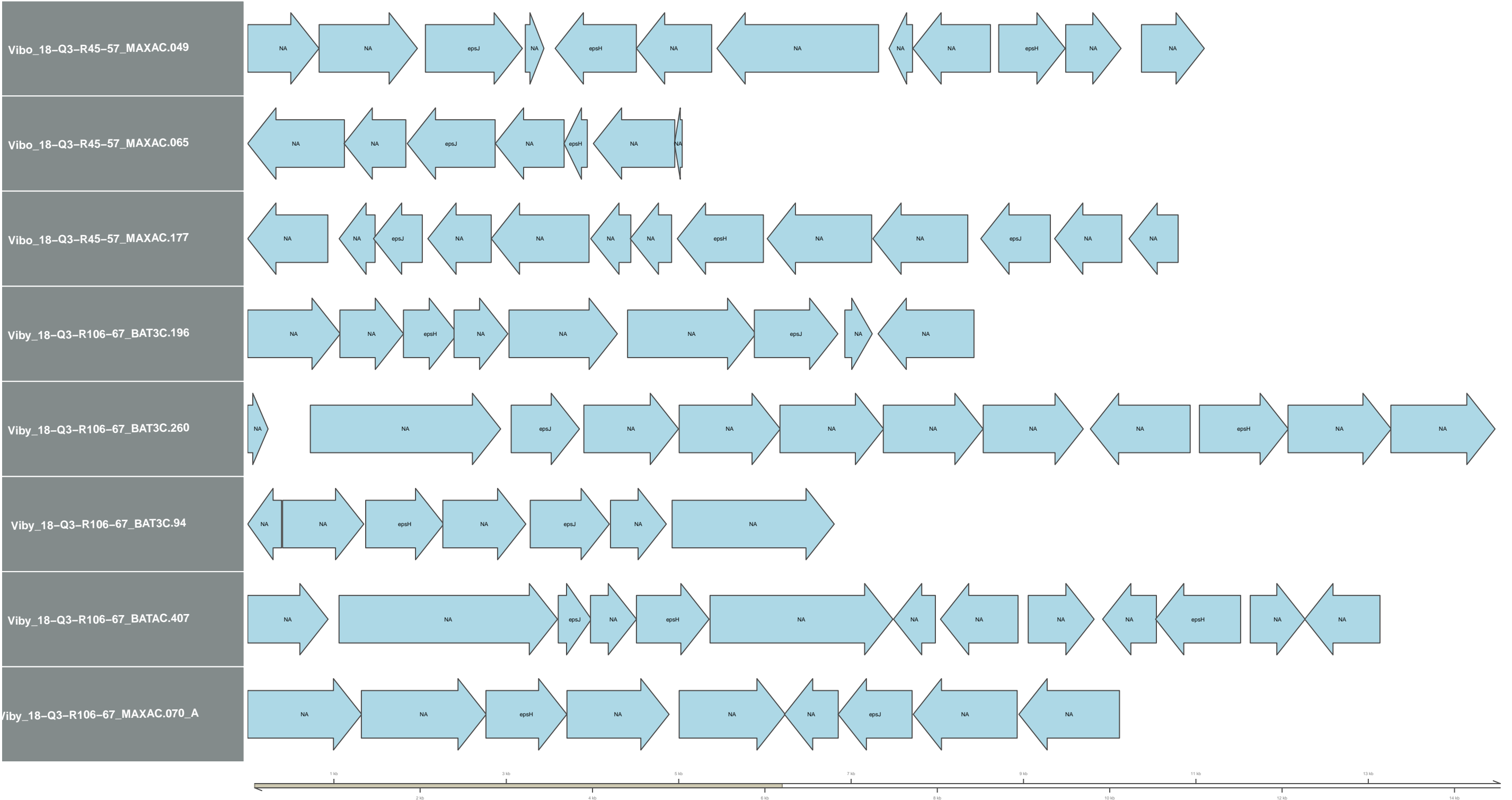
pnag_eps



pnag_eps

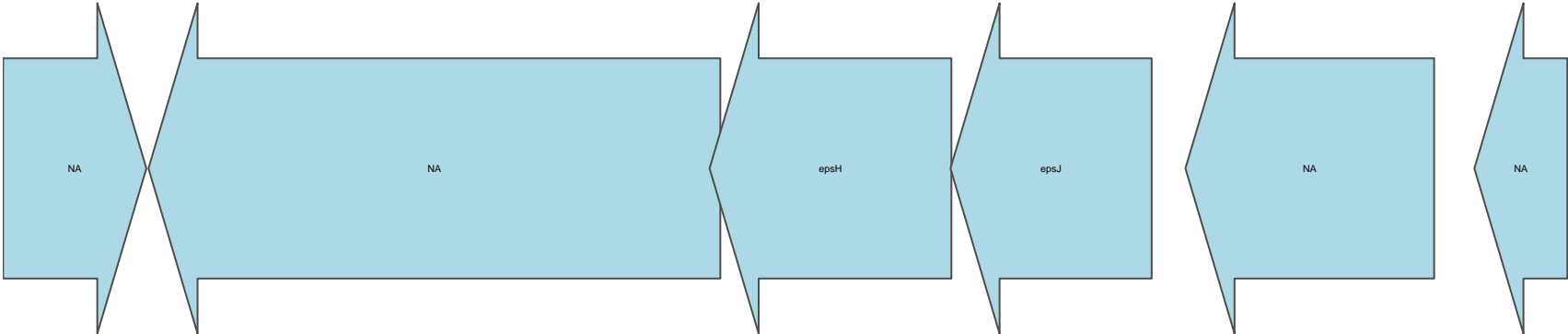


pnag_eps

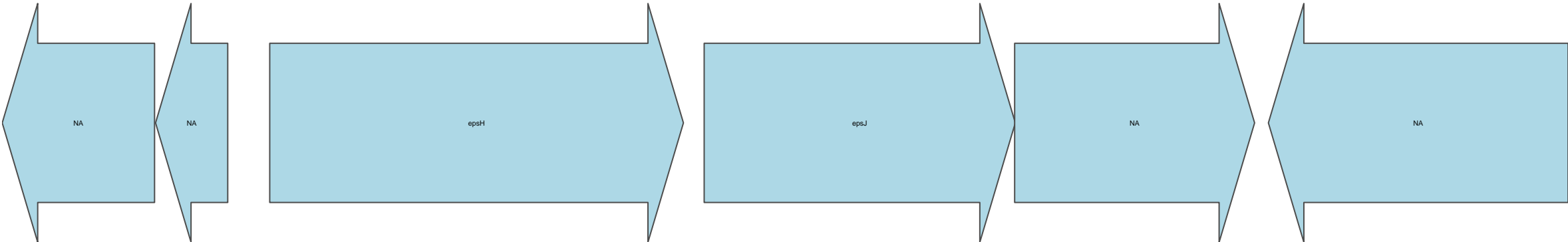


pnag_eps

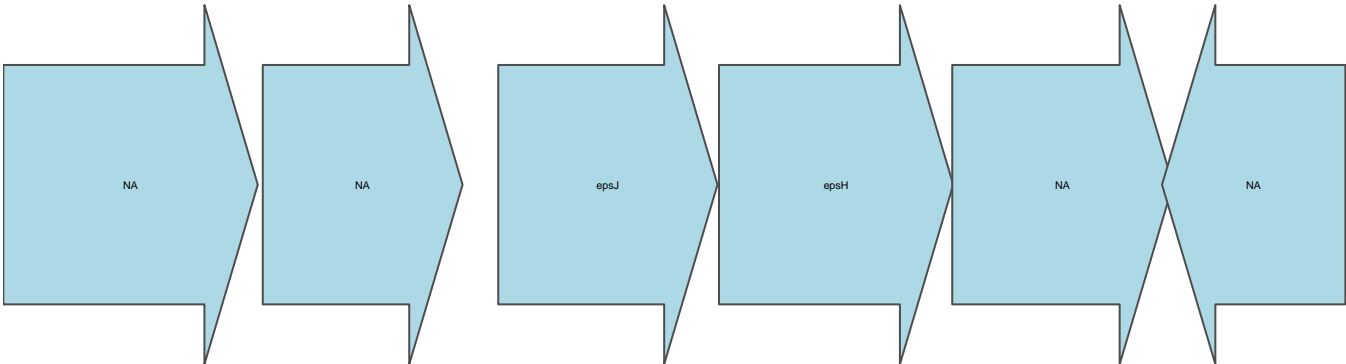
Viby_18-Q3-R106-67_MAXAC.070_B



Viby_18-Q3-R106-67_MAXAC.089



Viby_18-Q3-R106-67_MAXAC.156



218	Fred_18-Q3-R57-64_MAXAC.148	d__Bacteria;p__AABM5-125-24;c__o__f__g__s__	tig01546635-10-10705100	834760	epsH	03397
219	Fred_18-Q3-R57-64_MAXAC.220	d__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus;s__Streptococcus infantarius	tig00001084-10-19102340	1605049	epsI	01815
220	Fred_18-Q3-R57-64_MAXAC.276	d__Bacteria;p__Myxococcota;c__Polyangia;o__Polyangiales;f__Sandaracinaceae;g__s__	tig00000756-10-19749050	296864	epsH	00257
221	Fred_18-Q3-R57-64_MAXAC.288	d__Bacteria;p__Krumholzibacteriota;c__Krumholzibacteria;o__LZORAL124-64-63;f__LZORAL124-64-63;g__s__	tig00000189-10-47221210	1270376	epsH	01029
222	Fred_18-Q3-R57-64_MAXAC.292	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__SZUA-140;f__SZUA-140;g__s__	tig00005391-10-5845880	381979	epsH	01770
223	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	21192	epsH	02419
224	Fred_18-Q3-R57-64_MAXAC.309	d__Bacteria;p__Planctomycetota;c__UBA1135;o__UBA1135;f__GCA-002686595;g__s__	tig01547188-10-1808890	52019	epsH	04056
225	Fred_18-Q3-R57-64_MAXAC.324	d__Bacteria;p__Bdellovibrionota;c__Bdellovibrionia;o__Bdellovibrionales;f__UBA1609;g__s__	tig00012640-10-2223950	200824	epsH	03880
226	Fred_18-Q3-R57-64_MAXAC.344	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__PHOS-HE28;g__PHOS-HE28;s__	tig00000591-10-23971360	2243593	epsH	01901
227	Fred_18-Q3-R57-64_MAXAC.354	d__Bacteria;p__Eisenbacteria;c__RBG-16-71-46;o__f__g__s__	tig00006339-10-5850710	361853	epsH	03065
228	Fred_18-Q3-R57-64_MAXAC.362	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Caulobacteriales;f__Hyphomonadaceae;g__Hyphomonas;s__	tig00003539-10-6943100	197075	epsH	02801
229	Fred_18-Q3-R57-64_MAXAC.373	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Cellvibrionaceae;g__Cellvibrio;s__	tig00351552-10-601000	18221	epsH	02526
230	Fred_18-Q3-R57-64_MAXAC.378	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales_A;f__2-12-FULL-67-15;g__s__	tig00014337-10-1933470	127415	epsH	02135
231	Fred_18-Q3-R57-64_MAXAC.418	d__Bacteria;p__Planctomycetota;c__Phycisphaerae;o__UBA1845;f__UTPLA1;g__UTPLA1;s__	tig00010737-10-2712970	148127	epsH	00720
232	Fred_18-Q3-R57-64_MAXAC.421_sub_cln	d__Bacteria;p__Patescibacteria;c__Pacalbacteria_A;o__Moranbacteriales;f__UBA1568;g__s__	tig00000963-10-10881080	454557	epsH	00484
233	Fred_18-Q3-R57-64_MAXAC.423	d__Bacteria;p__Gemmatimonadota;c__Gemmatimonadetes;o__Gemmatimonadales;f__Gemmatimonadaceae;g__SCN-70-22;s__	tig00351211-10-13155530	622320	epsH	03699
234	Hade_18-Q3-R52-61_BAT3C.212	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__JU008;s__	tig00005557-10-2803030	11102	epsH	02059
235	Hade_18-Q3-R52-61_BAT3C.250	d__Bacteria;p__Nitrospirota;c__Nitrospiria;o__Nitrospirales;f__Nitrospiraceae;g__Nitrospira;s__Nitrospira sp002254365	tig00001106-10-11150850	989600	epsH	02086
236	Hade_18-Q3-R52-61_BAT3C.352	d__Bacteria;p__Actinobacteriota;c__Thermoleophilii;o__Solirubrobacterales;f__70-9;g__67-14;s__	tig00000830-10-14143930	782280	epsH	00769
237	Hade_18-Q3-R52-61_BATAC.14	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__UBA7239;g__UBA7239;s__UBA7239 sp002333095	tig00025864-10-903170	42824	epsH	02174
238	Hade_18-Q3-R52-61_BATAC.282	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__UBA5518;g__UBA5518;s__UBA5518 sp002396625	tig01674535-10-3636420	310265	epsH	04141
239	Hade_18-Q3-R52-61_BATAC.287	d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__g__s__	tig00002106-10-7009290	449387	epsH	00369
240	Hade_18-Q3-R52-61_BATAC.34	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Chitinophagaceae;g__JU008;s__	tig00007532-10-2521520	49267	epsH	03085
241	Hade_18-Q3-R52-61_BATAC.364	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Rhodocyclaceae;g__Dechloromonas;s__	tig00010736-10-2134480	82003	epsH	01239
242	Hade_18-Q3-R52-61_BATAC.47	d__Bacteria;p__Actinobacteriota;c__Acidimicrobia;o__Microtrichiales;f__Illumatobacteraceae;g__UBA668;s__UBA668 sp002299395	tig00008890-10-2749280	195421	epsH	03424
243	Hade_18-Q3-R52-61_BATAC.713	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__AKYH767;f__b-17BO;g__UBA4416;s__	tig00019583-10-1272090	86092	epsH	02941
244	Hade_18-Q3-R52-61_MAXAC.023	d__Bacteria;p__Nitrospirota;c__Nitrospira;o__Nitrospirales;f__Nitrospiraceae;g__Nitrospira_A;s__Nitrospira_A sp900170025	tig00005739-10-4096140	141515	epsH	01191
245	Hade_18-Q3-R52-61_MAXAC.028	d__Bacteria;p__Bacteroidota;c__Ignavibacteria;o__SJA-28;f__B-1AR;g__UBA2330;s__	tig00012776-10-1965300	115945	epsH	02213
246	Hade_18-Q3-R52-61_MAXAC.042	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__Anaerolineales;f__envOPS12;g__OLB14;s__	tig00014098-10-1344850	123387	epsH	01174
247	Hade_18-Q3-R52-61_MAXAC.056	d__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Sphingomonadales;f__Sphingomonadaceae;g__Ga0077559;s__	tig00008994-10-92450	1927	epsH	02501
248	Hade_18-Q3-R52-61_MAXAC.079	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__g__s__	tig00006216-10-3745710	363060	epsH	01101
249	Hade_18-Q3-R52-61_MAXAC.102	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__AKYH767-A;f__2013-40CM-41-45;g__s__	tig00001256-10-8309610	81173	epsH	00072
250	Hade_18-Q3-R52-61_MAXAC.236_sub	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__Promineofilales;f__g__s__	tig00011437-10-2015380	178595	epsH	00963
251	Hade_18-Q3-R52-61_MAXAC.304	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Rhodocyclaceae;g__Propionivibrio;s__	tig01674317-10-6687790	599969	epsH	02472
252	Hade_18-Q3-R52-61_MAXAC.360	d__Bacteria;p__Acidobacteriota;c__Blastocatellia;o__Pyrinomonadales;f__Pyrinomonadaceae;g__OLB17;s__	tig00000009-10-41445700	796448	epsH	00667
253	Hirt_18-Q3-R61-65_BAT3C.134	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__g__s__	tig00001380-10-1883210	96225	epsH	01066
254	Hirt_18-Q3-R61-65_BAT3C.362_fly	d__Bacteria;p__Patescibacteria;c__Saccharimonadia;o__Saccharimonadales;f__Saccharimonadaceae;g__s__	contig_circular	244062	epsH	00270
255	Hirt_18-Q3-R61-65_BAT3C.386	d__Bacteria;p__Actinobacteriota;c__Actinobacteria;o__Actinomycetales;f__Dermatophilaceae;g__GCA-2748155;s__	tig00316375-10-10025590	41086	epsH	00854
256	Hirt_18-Q3-R61-65_BAT3C.449	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00006428-10-4565030	274703	epsH	05226
257	Hirt_18-Q3-R61-65_BAT3C.578	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Chitinophagales;f__Saprospiraceae;g__s__	tig00001500-10-9248040	481340	epsH	01271
258	Hirt_18-Q3-R61-65_BATAC.102	d__Bacteria;p__Bacteroidota;c__Bacteroidia;o__Flavobacteriales;f__PHOS-HE28;g__PHOS-HE28;s__	tig00006217-10-3582160	232954	epsH	00222
259	Hirt_18-Q3-R61-65_BATAC.172	d__Bacteria;p__Bacteroidota;c__Ignavibacteria;o__SJA-28;f__B-1AR;g__UBA2330;s__	tig00015214-10-1556130	48483	epsH	01417
260	Hirt_18-Q3-R61-65_BATAC.395	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Burkholderiales;f__Rhodocyclaceae;g__s__	tig00006138-10-3422470	61254	epsH	00446
261	Hirt_18-Q3-R61-65_BATAC.422	d__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Competibacteriales;f__Competibacteraceae;g__Contendobacter;s__Contendobacter odensis	tig00017542-10-504860	9705	epsH	02906
262	Hirt_18-Q3-R61-65_BATAC.427	d__Bacteria;p__Chloroflexota;c__Anaerolineae;o__f__g__s__	tig00011845-10-2706940	184986	epsH	02246