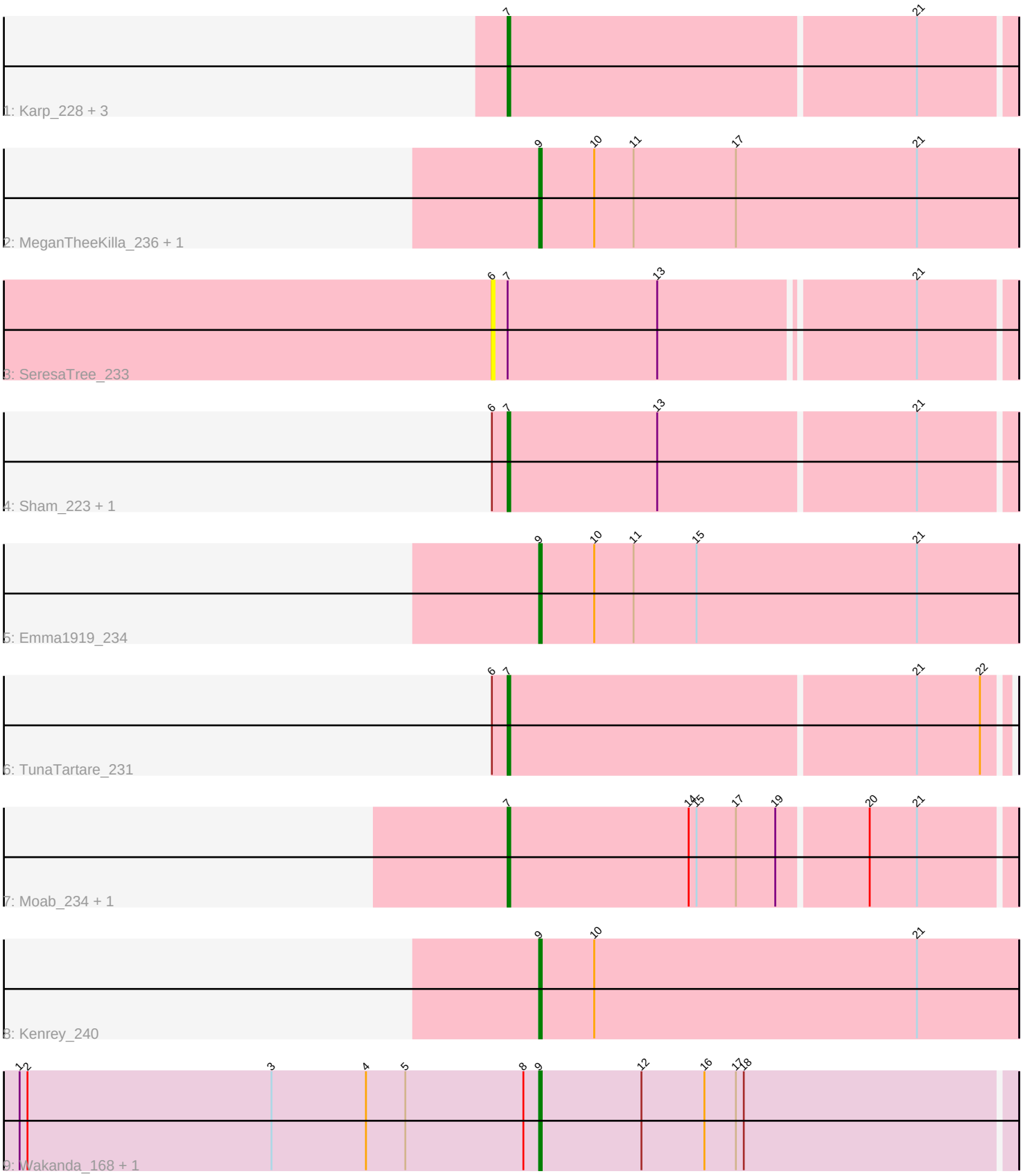
Pham 138293


7
21
1: Karp_228 + 3
9
10
11
17
21
2: MeganTheeKilla_236 + 1
6
7
13
21
3: SeresaTree_233
6
7
13
21
4: Sham_223 + 1
9
10
11
15
21
5: Emma1919_234
6
7
21
22
6: TunaTartare_231
7
14
15
17
19
20
21
7: Moab_234 + 1
9
10
21
8: Kenrey_240
1
2
3
4
5
8
9
12
16
17
18
9: Wakanda_168 + 1

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 138293 Report

This analysis was run 04/28/24 on database version 559.

Pham number 138293 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Karp_228, Belfort_232, Comrade_229, SparkleGoddess_232
• Track 2 : MeganTheeKilla_236, Gilson_230
• Track 3 : SeresaTree_233
• Track 4 : Sham_223, Faust_229
• Track 5 : Emma1919_234
• Track 6 : TunaTartare_231
• Track 7 : Moab_234, Patelgo_235
• Track 8 : Kenrey_240
• Track 9 : Wakanda_168, Muntaha_170

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_232, Comrade_229, Faust_229, Karp_228, Moab_234, Patelgo_235, Sham_223, SparkleGoddess_232, TunaTartare_231,

Genes that have the "Most Annotated" start but do not call it:
• SeresaTree_233,

Genes that do not have the "Most Annotated" start:
• Emma1919_234, Gilson_230, Kenrey_240, MeganTheeKilla_236, Muntaha_170, Wakanda_168,

Summary by start number:

Start 6:
• Found in 4 of 16 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: SeresaTree_233 (BK1),

Start 7:
• Found in 10 of 16 (62.5%) of genes in pham
• Manual Annotations of this start: 9 of 15
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Belfort_232 (BK1), Comrade_229 (BK1), Faust_229 (BK1), Karp_228 (BK1), Moab_234 (BK1), Patelgo_235 (BK1), Sham_223 (BK1), SparkleGoddess_232 (BK1), TunaTartare_231 (BK1),

Start 9:
• Found in 6 of 16 (37.5%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emma1919_234 (BK1), Gilson_230 (BK1), Kenrey_240 (BK1), MeganTheeKilla_236 (BK1), Muntaha_170 (BK2), Wakanda_168 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 9 times for cluster BK1.
•Start number 9 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 9 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: Belfort_232 Start: 113582, Stop: 113770, Start Num: 7
Candidate Starts for Belfort_232:
(Start: 7 @113582 has 9 MA's), (21, 113735),

Gene: Comrade_229 Start: 113778, Stop: 113966, Start Num: 7
Candidate Starts for Comrade_229:
(Start: 7 @113778 has 9 MA's), (21, 113931),

Gene: Emma1919_234 Start: 112311, Stop: 112493, Start Num: 9
Candidate Starts for Emma1919_234:
(Start: 9 @112311 has 6 MA's), (10, 112332), (11, 112347), (15, 112371), (21, 112455),

Gene: Faust_229 Start: 113630, Stop: 113815, Start Num: 7
Candidate Starts for Faust_229:
(6, 113624), (Start: 7 @113630 has 9 MA's), (13, 113687), (21, 113780),

Gene: Gilson_230 Start: 111836, Stop: 112018, Start Num: 9
Candidate Starts for Gilson_230:
(Start: 9 @111836 has 6 MA's), (10, 111857), (11, 111872), (17, 111911), (21, 111980),

Gene: Karp_228 Start: 113948, Stop: 114136, Start Num: 7
Candidate Starts for Karp_228:

(Start: 7 @113948 has 9 MA's), (21, 114101),

Gene: Kenrey_240 Start: 113945, Stop: 114127, Start Num: 9
Candidate Starts for Kenrey_240:
(Start: 9 @113945 has 6 MA's), (10, 113966), (21, 114089),

Gene: MeganTheeKilla_236 Start: 112709, Stop: 112891, Start Num: 9
Candidate Starts for MeganTheeKilla_236:
(Start: 9 @112709 has 6 MA's), (10, 112730), (11, 112745), (17, 112784), (21, 112853),

Gene: Moab_234 Start: 114858, Stop: 115046, Start Num: 7
Candidate Starts for Moab_234:
(Start: 7 @114858 has 9 MA's), (14, 114927), (15, 114930), (17, 114945), (19, 114960), (20, 114993), (21, 115011),

Gene: Muntaha_170 Start: 90415, Stop: 90594, Start Num: 9
Candidate Starts for Muntaha_170:
(1, 90217), (2, 90220), (3, 90313), (4, 90349), (5, 90364), (8, 90409), (Start: 9 @90415 has 6 MA's), (12, 90454), (16, 90478), (17, 90490), (18, 90493),

Gene: Patelgo_235 Start: 115272, Stop: 115460, Start Num: 7
Candidate Starts for Patelgo_235:
(Start: 7 @115272 has 9 MA's), (14, 115341), (15, 115344), (17, 115359), (19, 115374), (20, 115407), (21, 115425),

Gene: SeresaTree_233 Start: 113610, Stop: 113801, Start Num: 6
Candidate Starts for SeresaTree_233:
(6, 113610), (Start: 7 @113616 has 9 MA's), (13, 113673), (21, 113766),

Gene: Sham_223 Start: 114299, Stop: 114487, Start Num: 7
Candidate Starts for Sham_223:
(6, 114293), (Start: 7 @114299 has 9 MA's), (13, 114356), (21, 114452),

Gene: SparkleGoddess_232 Start: 114007, Stop: 114195, Start Num: 7
Candidate Starts for SparkleGoddess_232:
(Start: 7 @114007 has 9 MA's), (21, 114160),

Gene: TunaTartare_231 Start: 116624, Stop: 116809, Start Num: 7
Candidate Starts for TunaTartare_231:
(6, 116618), (Start: 7 @116624 has 9 MA's), (21, 116777), (22, 116801),

Gene: Wakanda_168 Start: 90095, Stop: 90274, Start Num: 9
Candidate Starts for Wakanda_168:
(1, 89897), (2, 89900), (3, 89993), (4, 90029), (5, 90044), (8, 90089), (Start: 9 @90095 has 6 MA's), (12, 90134), (16, 90158), (17, 90170), (18, 90173),