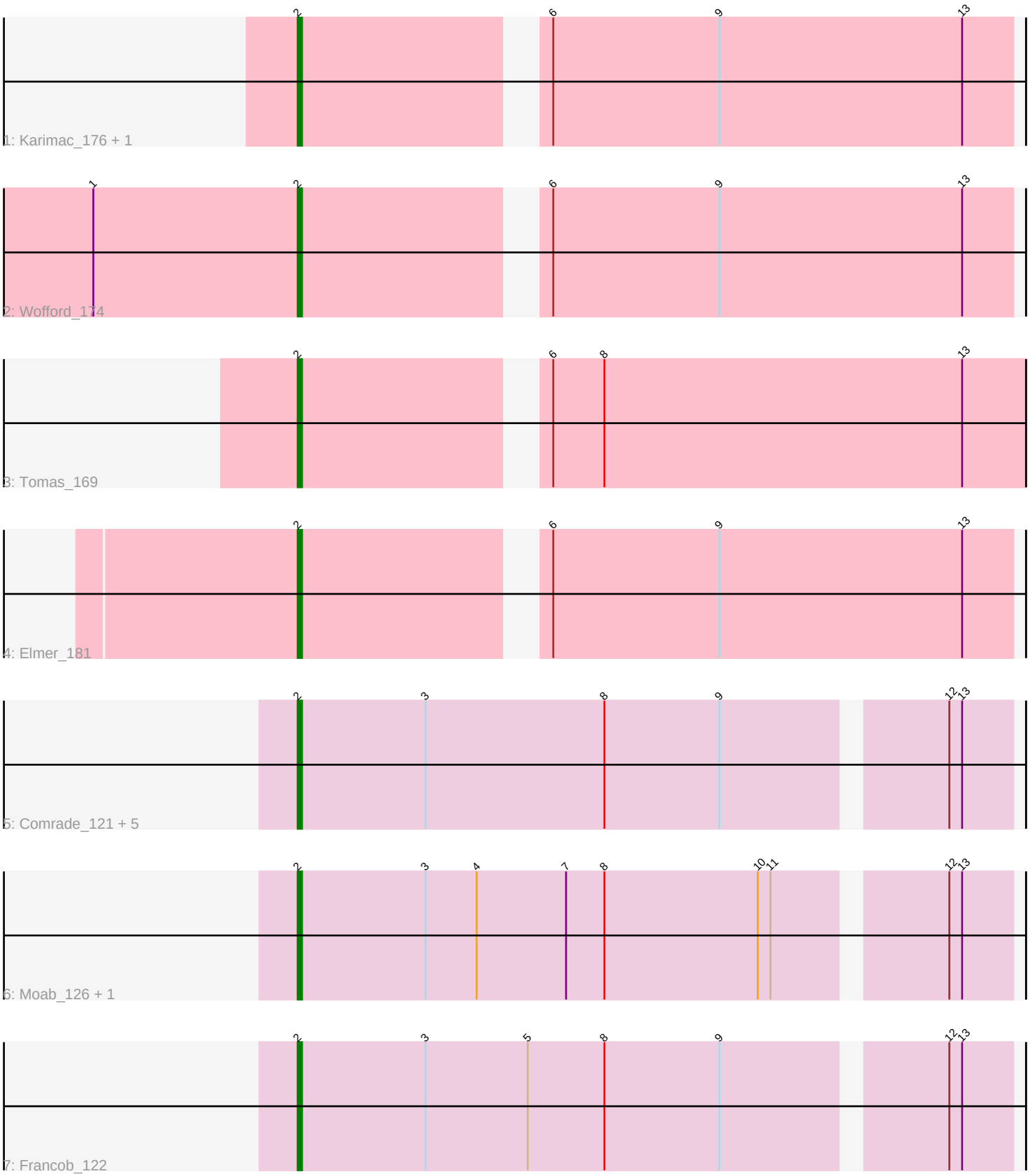
Pham 216688


2
6
9
13
1: Karimac_176 + 1
1
2
6
9
13
2: Wofford_174
2
6
8
13
3: Tomas_169
2
6
9
13
4: Elmer_181
2
3
8
9
12
13
5: Comrade_121 + 5
2
3
4
7
8
10
11
12
13
6: Moab_126 + 1
2
3
5
8
9
12
13
7: Francob_122

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 216688 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216688 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Karimac_176, Enygma_179
• Track 2 : Wofford_174
• Track 3 : Tomas_169
• Track 4 : Elmer_181
• Track 5 : Comrade_121, Karp_121, SparkleGoddess_123, Stigma_123, Westy_126, Belfort_125
• Track 6 : Moab_126, Patelgo_128
• Track 7 : Francob_122

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_125, Comrade_121, Elmer_181, Enygma_179, Francob_122, Karimac_176, Karp_121, Moab_126, Patelgo_128, SparkleGoddess_123, Stigma_123, Tomas_169, Westy_126, Wofford_174,

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

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_125 (BK1), Comrade_121 (BK1), Elmer_181 (BE2), Enygma_179 (BE2), Francob_122 (BK1), Karimac_176 (BE2), Karp_121 (BK1), Moab_126 (BK1), Patelgo_128 (BK1), SparkleGoddess_123 (BK1),

Stigma_123 (BK1), Tomas_169 (BE2), Westy_126 (BK1), Wofford_174 (BE2),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BK1,

Info for manual annotations of cluster BE2:
•Start number 2 was manually annotated 5 times for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 2 was manually annotated 8 times for cluster BK1.

Gene Information:

Gene: Belfort_125 Start: 76660, Stop: 76821, Start Num: 2
Candidate Starts for Belfort_125:
(Start: 2 @76660 has 13 MA's), (3, 76690), (8, 76732), (9, 76759), (12, 76807), (13, 76810),

Gene: Comrade_121 Start: 75978, Stop: 76139, Start Num: 2
Candidate Starts for Comrade_121:
(Start: 2 @75978 has 13 MA's), (3, 76008), (8, 76050), (9, 76077), (12, 76125), (13, 76128),

Gene: Elmer_181 Start: 97237, Stop: 97395, Start Num: 2
Candidate Starts for Elmer_181:
(Start: 2 @97237 has 13 MA's), (6, 97288), (9, 97327), (13, 97384),

Gene: Enygma_179 Start: 96425, Stop: 96583, Start Num: 2
Candidate Starts for Enygma_179:
(Start: 2 @96425 has 13 MA's), (6, 96476), (9, 96515), (13, 96572),

Gene: Francob_122 Start: 75550, Stop: 75711, Start Num: 2
Candidate Starts for Francob_122:
(Start: 2 @75550 has 13 MA's), (3, 75580), (5, 75604), (8, 75622), (9, 75649), (12, 75697), (13, 75700),

Gene: Karimac_176 Start: 94095, Stop: 94253, Start Num: 2
Candidate Starts for Karimac_176:
(Start: 2 @94095 has 13 MA's), (6, 94146), (9, 94185), (13, 94242),

Gene: Karp_121 Start: 75949, Stop: 76110, Start Num: 2
Candidate Starts for Karp_121:
(Start: 2 @75949 has 13 MA's), (3, 75979), (8, 76021), (9, 76048), (12, 76096), (13, 76099),

Gene: Moab_126 Start: 77966, Stop: 78127, Start Num: 2
Candidate Starts for Moab_126:
(Start: 2 @77966 has 13 MA's), (3, 77996), (4, 78008), (7, 78029), (8, 78038), (10, 78074), (11, 78077), (12, 78113), (13, 78116),

Gene: Patelgo_128 Start: 78196, Stop: 78357, Start Num: 2
Candidate Starts for Patelgo_128:
(Start: 2 @78196 has 13 MA's), (3, 78226), (4, 78238), (7, 78259), (8, 78268), (10, 78304), (11, 78307), (12, 78343), (13, 78346),

Gene: SparkleGoddess_123 Start: 76278, Stop: 76439, Start Num: 2
Candidate Starts for SparkleGoddess_123:
(Start: 2 @76278 has 13 MA's), (3, 76308), (8, 76350), (9, 76377), (12, 76425), (13, 76428),

Gene: Stigma_123 Start: 76286, Stop: 76447, Start Num: 2
Candidate Starts for Stigma_123:
(Start: 2 @76286 has 13 MA's), (3, 76316), (8, 76358), (9, 76385), (12, 76433), (13, 76436),

Gene: Tomas_169 Start: 94040, Stop: 94201, Start Num: 2
Candidate Starts for Tomas_169:
(Start: 2 @94040 has 13 MA's), (6, 94091), (8, 94103), (13, 94187),

Gene: Westy_126 Start: 77313, Stop: 77474, Start Num: 2
Candidate Starts for Westy_126:
(Start: 2 @77313 has 13 MA's), (3, 77343), (8, 77385), (9, 77412), (12, 77460), (13, 77463),

Gene: Wofford_174 Start: 97100, Stop: 97258, Start Num: 2
Candidate Starts for Wofford_174:
(1, 97052), (Start: 2 @97100 has 13 MA's), (6, 97151), (9, 97190), (13, 97247),