Pham 196988

1: Comrade_121 + 4
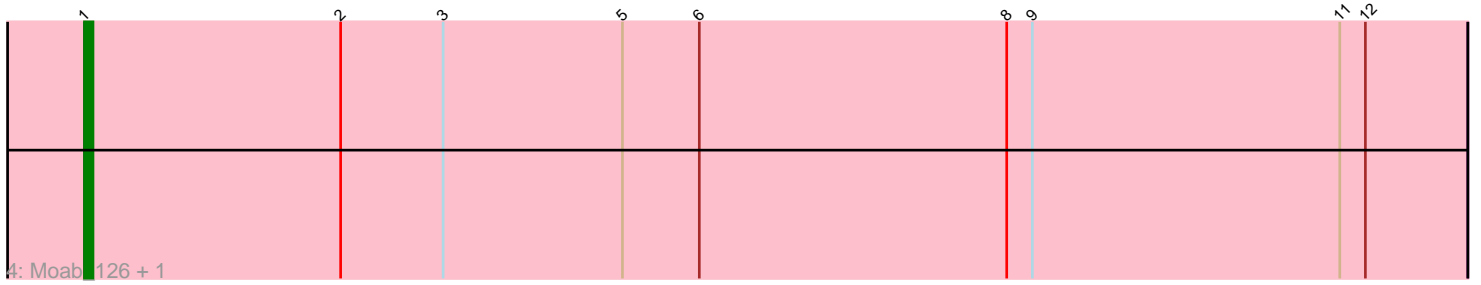
2: MeganTheeKilla_124 + 2

3: Francob_122

4: Moab_126 + 1

5: Phredrick_125
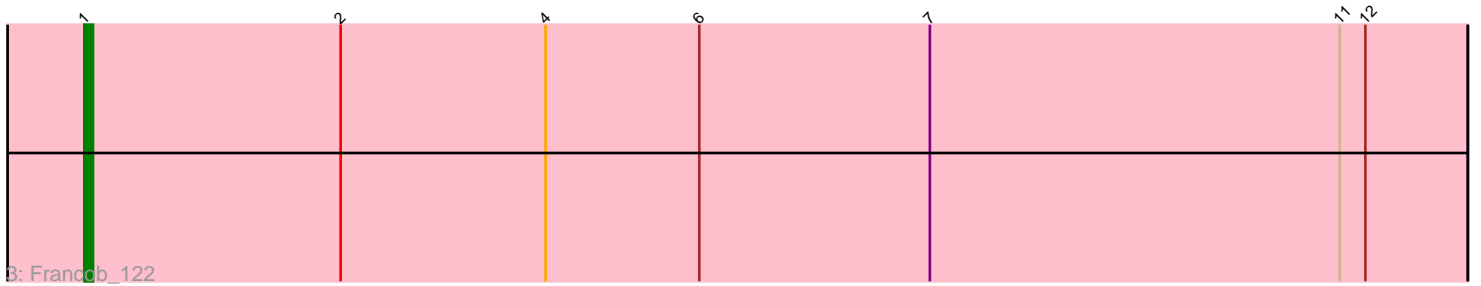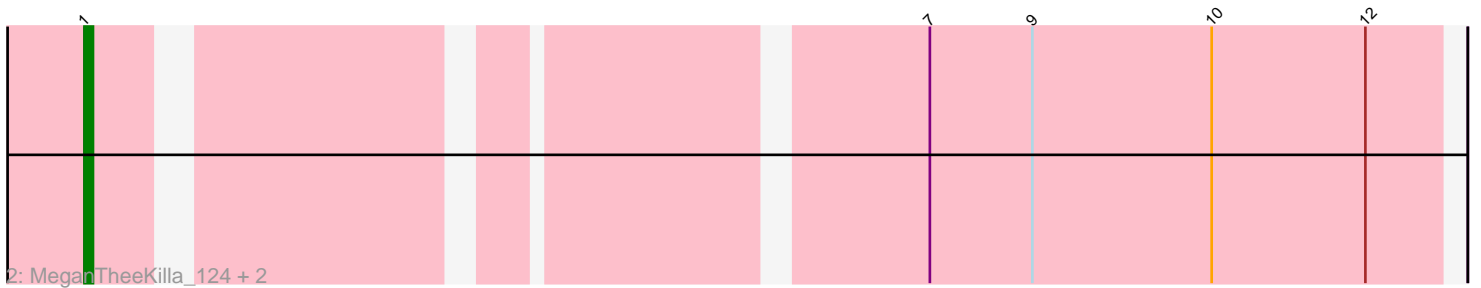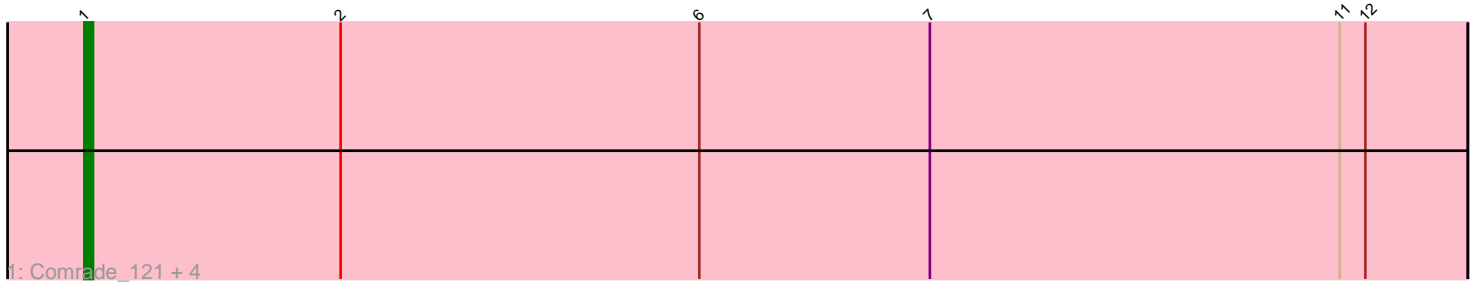
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 196988 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196988 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Comrade_121, Karp_121, Belfort_125, SparkleGoddess_123, Stigma_123
• Track 2 : MeganTheeKilla_124, Emma1919_125, Gilson_125
• Track 3 : Francob_122
• Track 4 : Moab_126, Patelgo_128
• Track 5 : Phredrick_125

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_125, Comrade_121, Emma1919_125, Francob_122, Gilson_125, Karp_121, MeganTheeKilla_124, Moab_126, Patelgo_128, Phredrick_125, SparkleGoddess_123, Stigma_123,

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 1:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_125 (BK1), Comrade_121 (BK1), Emma1919_125 (BK1), Francob_122 (BK1), Gilson_125 (BK1), Karp_121 (BK1), MeganTheeKilla_124 (BK1), Moab_126 (BK1), Patelgo_128 (BK1), Phredrick_125 (BK1), SparkleGoddess_123 (BK1), Stigma_123 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 1 was manually annotated 12 times for cluster BK1.

Gene Information:
Gene: Belfort_125 Start: 76660, Stop: 76821, Start Num: 1
Candidate Starts for Belfort_125:
(Start: 1 @76660 has 12 MA's), (2, 76690), (6, 76732), (7, 76759), (11, 76807), (12, 76810),

Gene: Comrade_121 Start: 75978, Stop: 76139, Start Num: 1
Candidate Starts for Comrade_121:
(Start: 1 @75978 has 12 MA's), (2, 76008), (6, 76050), (7, 76077), (11, 76125), (12, 76128),

Gene: Emma1919_125 Start: 75292, Stop: 75435, Start Num: 1
Candidate Starts for Emma1919_125:
(Start: 1 @75292 has 12 MA's), (7, 75376), (9, 75388), (10, 75409), (12, 75427),

Gene: Francob_122 Start: 75550, Stop: 75711, Start Num: 1
Candidate Starts for Francob_122:
(Start: 1 @75550 has 12 MA's), (2, 75580), (4, 75604), (6, 75622), (7, 75649), (11, 75697), (12, 75700),

Gene: Gilson_125 Start: 75254, Stop: 75397, Start Num: 1
Candidate Starts for Gilson_125:
(Start: 1 @75254 has 12 MA's), (7, 75338), (9, 75350), (10, 75371), (12, 75389),

Gene: Karp_121 Start: 75949, Stop: 76110, Start Num: 1
Candidate Starts for Karp_121:
(Start: 1 @75949 has 12 MA's), (2, 75979), (6, 76021), (7, 76048), (11, 76096), (12, 76099),

Gene: MeganTheeKilla_124 Start: 75459, Stop: 75602, Start Num: 1
Candidate Starts for MeganTheeKilla_124:
(Start: 1 @75459 has 12 MA's), (7, 75543), (9, 75555), (10, 75576), (12, 75594),

Gene: Moab_126 Start: 77966, Stop: 78127, Start Num: 1
Candidate Starts for Moab_126:
(Start: 1 @77966 has 12 MA's), (2, 77996), (3, 78008), (5, 78029), (6, 78038), (8, 78074), (9, 78077), (11, 78113), (12, 78116),

Gene: Patelgo_128 Start: 78196, Stop: 78357, Start Num: 1
Candidate Starts for Patelgo_128:
(Start: 1 @78196 has 12 MA's), (2, 78226), (3, 78238), (5, 78259), (6, 78268), (8, 78304), (9, 78307), (11, 78343), (12, 78346),

Gene: Phredrick_125 Start: 75055, Stop: 75198, Start Num: 1
Candidate Starts for Phredrick_125:
(Start: 1 @75055 has 12 MA's), (7, 75139), (9, 75151), (12, 75190),

Gene: SparkleGoddess_123 Start: 76278, Stop: 76439, Start Num: 1
Candidate Starts for SparkleGoddess_123:
(Start: 1 @76278 has 12 MA's), (2, 76308), (6, 76350), (7, 76377), (11, 76425), (12, 76428),

Gene: Stigma_123 Start: 76286, Stop: 76447, Start Num: 1
Candidate Starts for Stigma_123:
(Start: 1 @76286 has 12 MA's), (2, 76316), (6, 76358), (7, 76385), (11, 76433), (12, 76436),