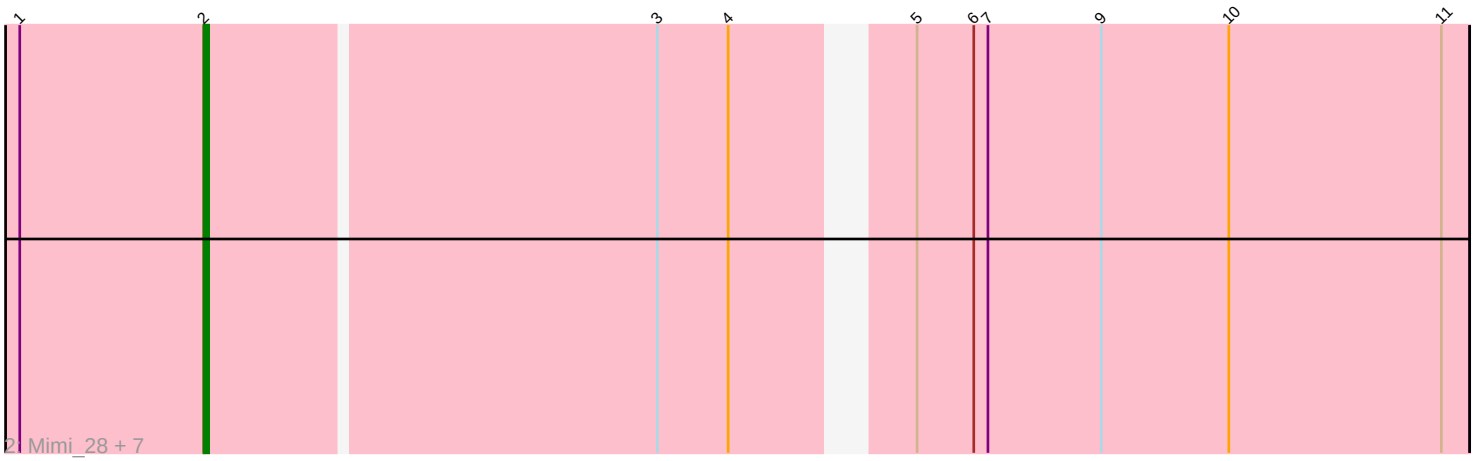
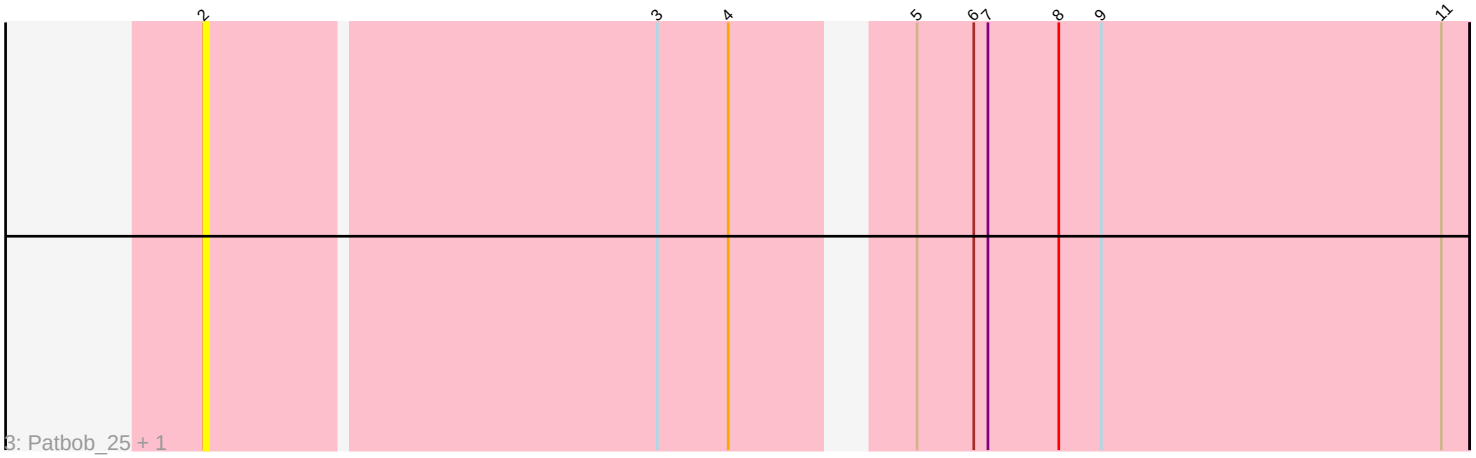
Pham 136021


2
9
1: SJReid_341 + 1


1
2
3
4
5
6
7
9
10
11
2: Mimi_28 + 7


2
3
4
5
6
7
8
9
11
3: Patbob_25 + 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 136021 Report

This analysis was run 04/05/24 on database version 557.

Pham number 136021 has 12 members, 10 are drafts.

Phages represented in each track:
• Track 1 : SJReid_341, SJReid_30
• Track 2 : Mimi_28, Talia1610_26, Racecar_27, Mimi_318, Talia1610_313, Racecar_316, Bloom_28, Bloom_315
• Track 3 : Patbob_25, Patbob_315

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 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_28, Bloom_315, Mimi_28, Mimi_318, Patbob_25, Patbob_315, Racecar_27, Racecar_316, SJReid_30, SJReid_341, Talia1610_26, Talia1610_313,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_28 (FC), Bloom_315 (FC), Mimi_28 (FC), Mimi_318 (FC), Patbob_25 (FC), Patbob_315 (FC), Racecar_27 (FC), Racecar_316 (FC), SJReid_30 (FC), SJReid_341 (FC), Talia1610_26 (FC), Talia1610_313 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Bloom_28 Start: 12543, Stop: 12797, Start Num: 2
Candidate Starts for Bloom_28:
(1, 12504), (Start: 2 @12543 has 2 MA's), (3, 12636), (4, 12651), (5, 12681), (6, 12693), (7, 12696), (9, 12720), (10, 12747), (11, 12792),

Gene: Bloom_315 Start: 186018, Stop: 186272, Start Num: 2
Candidate Starts for Bloom_315:
(1, 185979), (Start: 2 @186018 has 2 MA's), (3, 186111), (4, 186126), (5, 186156), (6, 186168), (7, 186171), (9, 186195), (10, 186222), (11, 186267),

Gene: Mimi_28 Start: 11952, Stop: 12206, Start Num: 2
Candidate Starts for Mimi_28:
(1, 11913), (Start: 2 @11952 has 2 MA's), (3, 12045), (4, 12060), (5, 12090), (6, 12102), (7, 12105), (9, 12129), (10, 12156), (11, 12201),

Gene: Mimi_318 Start: 184612, Stop: 184866, Start Num: 2
Candidate Starts for Mimi_318:
(1, 184573), (Start: 2 @184612 has 2 MA's), (3, 184705), (4, 184720), (5, 184750), (6, 184762), (7, 184765), (9, 184789), (10, 184816), (11, 184861),

Gene: Patbob_25 Start: 12489, Stop: 12743, Start Num: 2
Candidate Starts for Patbob_25:
(Start: 2 @12489 has 2 MA's), (3, 12582), (4, 12597), (5, 12627), (6, 12639), (7, 12642), (8, 12657), (9, 12666), (11, 12738),

Gene: Patbob_315 Start: 187948, Stop: 188202, Start Num: 2
Candidate Starts for Patbob_315:
(Start: 2 @187948 has 2 MA's), (3, 188041), (4, 188056), (5, 188086), (6, 188098), (7, 188101), (8, 188116), (9, 188125), (11, 188197),

Gene: Racecar_27 Start: 12543, Stop: 12797, Start Num: 2
Candidate Starts for Racecar_27:
(1, 12504), (Start: 2 @12543 has 2 MA's), (3, 12636), (4, 12651), (5, 12681), (6, 12693), (7, 12696), (9, 12720), (10, 12747), (11, 12792),

Gene: Racecar_316 Start: 186252, Stop: 186506, Start Num: 2
Candidate Starts for Racecar_316:
(1, 186213), (Start: 2 @186252 has 2 MA's), (3, 186345), (4, 186360), (5, 186390), (6, 186402), (7, 186405), (9, 186429), (10, 186456), (11, 186501),

Gene: SJReid_341 Start: 185898, Stop: 186158, Start Num: 2
Candidate Starts for SJReid_341:
(Start: 2 @185898 has 2 MA's), (9, 186087),

Gene: SJReid_30 Start: 13059, Stop: 13319, Start Num: 2

Candidate Starts for SJReid_30:
(Start: 2 @13059 has 2 MA's), (9, 13248),

Gene: Talia1610_26 Start: 11966, Stop: 12220, Start Num: 2
Candidate Starts for Talia1610_26:
(1, 11927), (Start: 2 @11966 has 2 MA's), (3, 12059), (4, 12074), (5, 12104), (6, 12116), (7, 12119), (9, 12143), (10, 12170), (11, 12215),

Gene: Talia1610_313 Start: 186438, Stop: 186692, Start Num: 2
Candidate Starts for Talia1610_313:
(1, 186399), (Start: 2 @186438 has 2 MA's), (3, 186531), (4, 186546), (5, 186576), (6, 186588), (7, 186591), (9, 186615), (10, 186642), (11, 186687),