Pham 157031

1: Birdsong_87
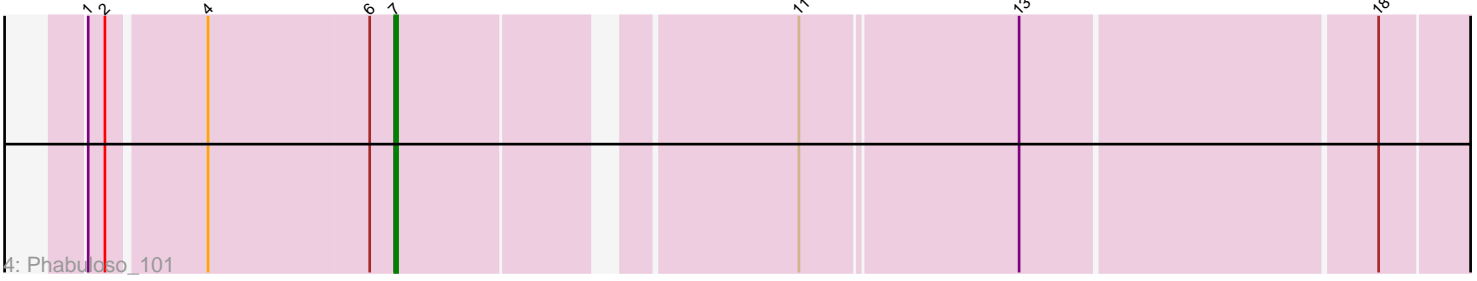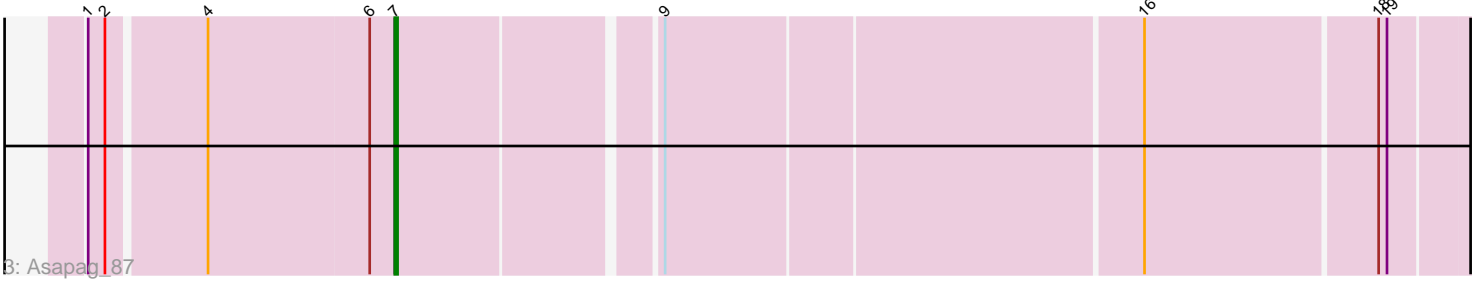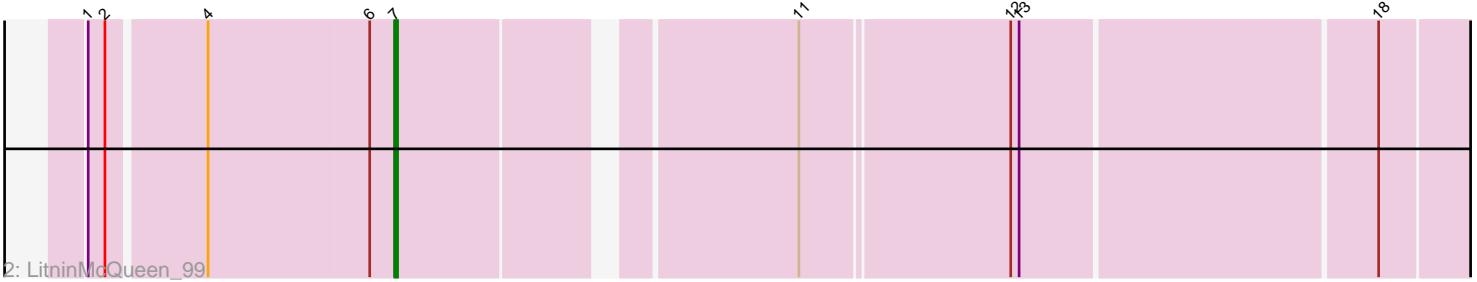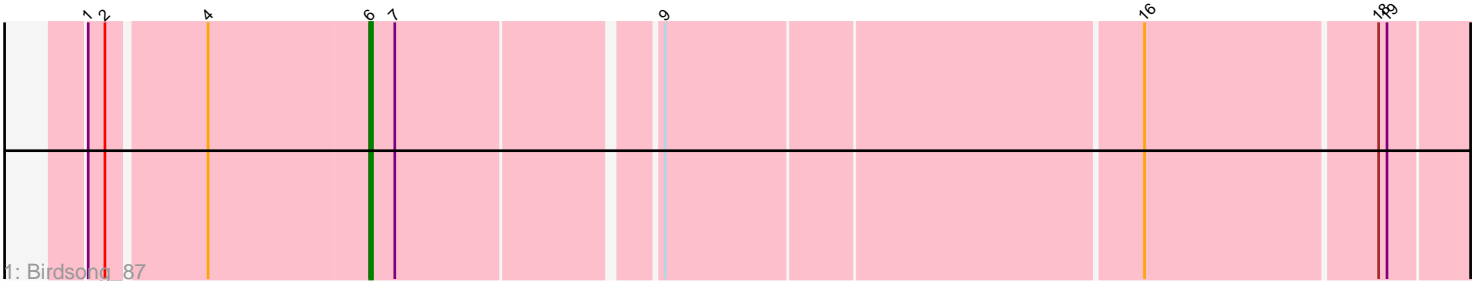
2: LitninMcQueen_99

3: Asapag_87

4: Phabuloso_101

5: Whitney_94

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 157031 Report

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

Pham number 157031 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Birdsong_87
• Track 2 : LitninMcQueen_99
• Track 3 : Asapag_87
• Track 4 : Phabuloso_101
• Track 5 : Whitney_94

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Asapag_87, LitninMcQueen_99, Phabuloso_101,

Genes that have the "Most Annotated" start but do not call it:
• Birdsong_87,

Genes that do not have the "Most Annotated" start:
• Whitney_94,

Summary by start number:

Start 6:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Birdsong_87 (DN),

Start 7:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Asapag_87 (DN1), LitninMcQueen_99 (DN1), Phabuloso_101 (DN1),

Start 10:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Whitney_94 (DN1),

Summary by clusters:

There are 2 clusters represented in this pham: DN, DN1,

Info for manual annotations of cluster DN:
•Start number 6 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 3 times for cluster DN1.
•Start number 10 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Asapag_87 Start: 50042, Stop: 50416, Start Num: 7
Candidate Starts for Asapag_87:
(1, 49937), (2, 49943), (4, 49976), (Start: 6 @50033 has 1 MA's), (Start: 7 @50042 has 3 MA's), (9, 50129), (16, 50294), (18, 50375), (19, 50378),

Gene: Birdsong_87 Start: 49769, Stop: 50152, Start Num: 6
Candidate Starts for Birdsong_87:
(1, 49673), (2, 49679), (4, 49712), (Start: 6 @49769 has 1 MA's), (Start: 7 @49778 has 3 MA's), (9, 49865), (16, 50030), (18, 50111), (19, 50114),

Gene: LitninMcQueen_99 Start: 52545, Stop: 52913, Start Num: 7
Candidate Starts for LitninMcQueen_99:
(1, 52440), (2, 52446), (4, 52479), (Start: 6 @52536 has 1 MA's), (Start: 7 @52545 has 3 MA's), (11, 52674), (12, 52746), (13, 52749), (18, 52872),

Gene: Phabuloso_101 Start: 52179, Stop: 52547, Start Num: 7
Candidate Starts for Phabuloso_101:
(1, 52074), (2, 52080), (4, 52113), (Start: 6 @52170 has 1 MA's), (Start: 7 @52179 has 3 MA's), (11, 52308), (13, 52383), (18, 52506),

Gene: Whitney_94 Start: 52783, Stop: 53064, Start Num: 10
Candidate Starts for Whitney_94:
(3, 52570), (5, 52624), (8, 52732), (Start: 10 @52783 has 1 MA's), (13, 52864), (14, 52894), (15, 52900), (17, 52951),