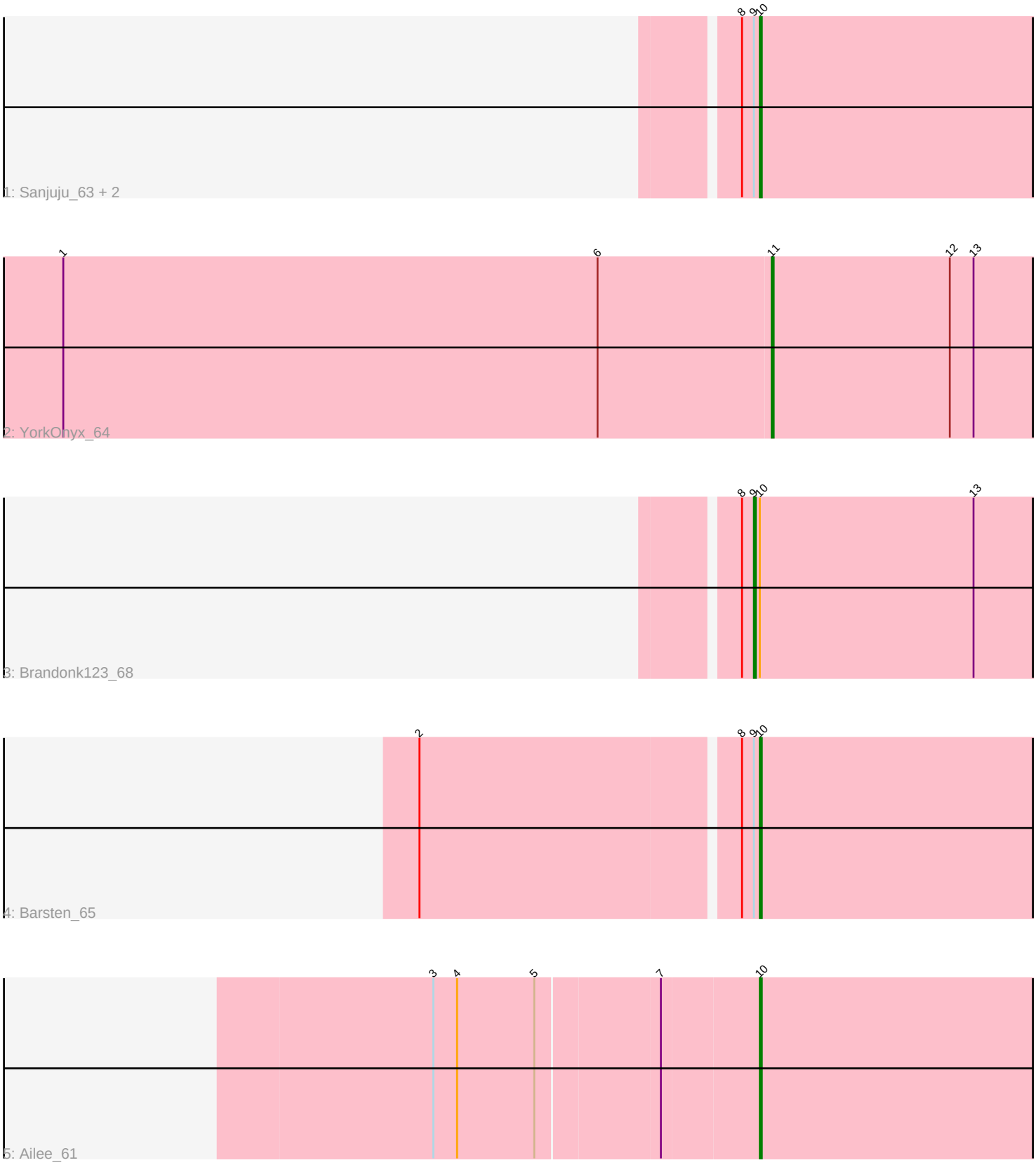
Pham 107089


8
9
10
1: Sanjuju_63 + 2
1
6
11
12
13
2: YorkOhyx_64
8
9
10
13
3: Brandonk123_68
2
8
9
10
4: Barsten_65
3
4
5
7
10
5: Ailee_61

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 107089 Report

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

Pham number 107089 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sanjuju_63, Fitzgerald_62, Jabberwocky_62
• Track 2 : YorkOnyx_64
• Track 3 : Brandonk123_68
• Track 4 : Barsten_65
• Track 5 : Ailee_61

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

The start number called the most often in the published annotations is 10, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ailee_61, Barsten_65, Fitzgerald_62, Jabberwocky_62, Sanjuju_63,

Genes that have the "Most Annotated" start but do not call it:
• Brandonk123_68,

Genes that do not have the "Most Annotated" start:
• YorkOnyx_64,

Summary by start number:

Start 9:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Brandonk123_68 (DE1),

Start 10:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Ailee_61 (DE1), Barsten_65 (DE1), Fitzgerald_62 (DE1), Jabberwocky_62 (DE1), Sanjuju_63 (DE1),

Start 11:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: YorkOnyx_64 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:
•Start number 9 was manually annotated 1 time for cluster DE1.
•Start number 10 was manually annotated 5 times for cluster DE1.
•Start number 11 was manually annotated 1 time for cluster DE1.

Gene Information:

Gene: Ailee_61 Start: 49898, Stop: 50074, Start Num: 10
Candidate Starts for Ailee_61:
(3, 49739), (4, 49751), (5, 49790), (7, 49850), (Start: 10 @49898 has 5 MA's),

Gene: Barsten_65 Start: 50406, Stop: 50582, Start Num: 10
Candidate Starts for Barsten_65:
(2, 50241), (8, 50397), (Start: 9 @50403 has 1 MA's), (Start: 10 @50406 has 5 MA's),

Gene: Brandonk123_68 Start: 50196, Stop: 50375, Start Num: 9
Candidate Starts for Brandonk123_68:
(8, 50190), (Start: 9 @50196 has 1 MA's), (Start: 10 @50199 has 5 MA's), (13, 50307),

Gene: Fitzgerald_62 Start: 50640, Stop: 50816, Start Num: 10
Candidate Starts for Fitzgerald_62:
(8, 50631), (Start: 9 @50637 has 1 MA's), (Start: 10 @50640 has 5 MA's),

Gene: Jabberwocky_62 Start: 50874, Stop: 51050, Start Num: 10
Candidate Starts for Jabberwocky_62:
(8, 50865), (Start: 9 @50871 has 1 MA's), (Start: 10 @50874 has 5 MA's),

Gene: Sanjuju_63 Start: 50772, Stop: 50948, Start Num: 10
Candidate Starts for Sanjuju_63:
(8, 50763), (Start: 9 @50769 has 1 MA's), (Start: 10 @50772 has 5 MA's),

Gene: YorkOnyx_64 Start: 49033, Stop: 49209, Start Num: 11
Candidate Starts for YorkOnyx_64:
(1, 48676), (6, 48946), (Start: 11 @49033 has 1 MA's), (12, 49123), (13, 49135),