Pham 197099

1: BeatusComedenti_12 + 1

2: KellEzio_12

3: Savbucketdawg_75

4: Valary_80

5: Nubi_81

6: Jambalaya_76

7: PinkCoffee_81

8: Clown_85
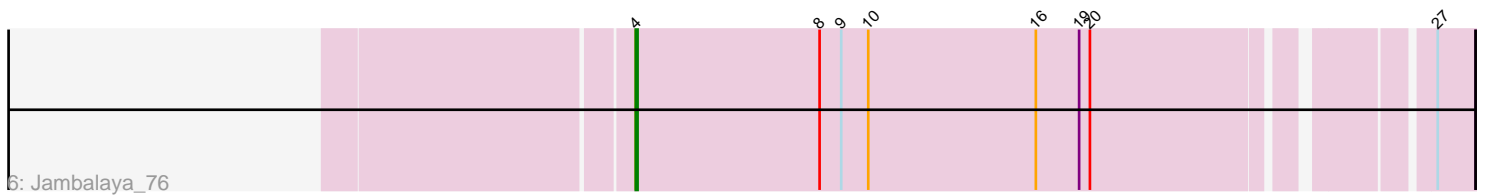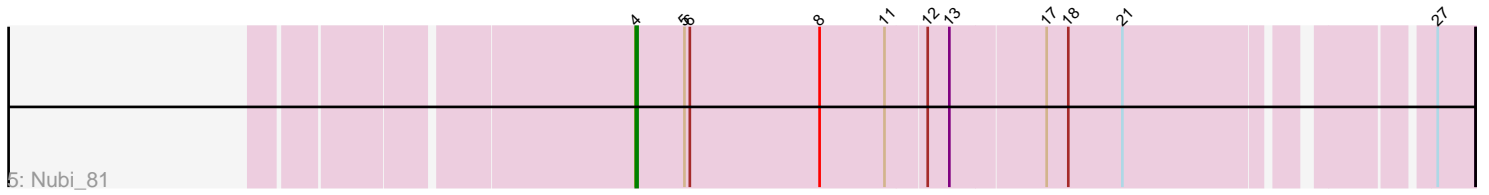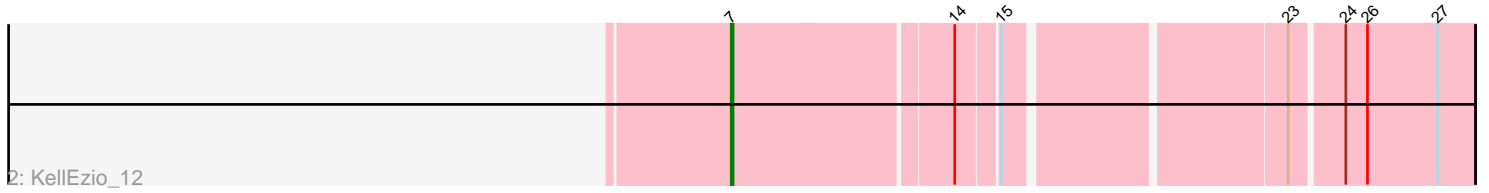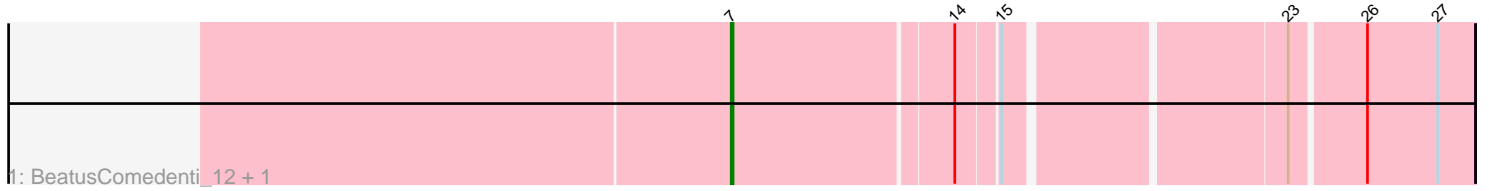
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 197099 Report

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

Pham number 197099 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BeatusComedenti_12, Kitkat_13
• Track 2 : KellEzio_12
• Track 3 : Savbucketdawg_75
• Track 4 : Valary_80
• Track 5 : Nubi_81
• Track 6 : Jambalaya_76
• Track 7 : PinkCoffee_81
• Track 8 : Clown_85

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Clown_85, Jambalaya_76, Nubi_81, PinkCoffee_81, Savbucketdawg_75, Valary_80,

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

Genes that do not have the "Most Annotated" start:
• BeatusComedenti_12, KellEzio_12, Kitkat_13,

Summary by start number:

Start 4:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clown_85 (DC2), Jambalaya_76 (DC1), Nubi_81 (DC1), PinkCoffee_81 (DC1), Savbucketdawg_75 (DC1), Valary_80 (DC1),

Start 7:

• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BeatusComedenti_12 (AT), KellEzio_12 (AT), Kitkat_13 (AT),

Summary by clusters:

There are 3 clusters represented in this pham: DC2, AT, DC1,

Info for manual annotations of cluster AT:
•Start number 7 was manually annotated 3 times for cluster AT.

Info for manual annotations of cluster DC1:
•Start number 4 was manually annotated 5 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 4 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: BeatusComedenti_12 Start: 5593, Stop: 5973, Start Num: 7
Candidate Starts for BeatusComedenti_12:
(Start: 7 @5593 has 3 MA's), (14, 5710), (15, 5731), (23, 5875), (26, 5914), (27, 5953),

Gene: Clown_85 Start: 54601, Stop: 55038, Start Num: 4
Candidate Starts for Clown_85:
(Start: 4 @54601 has 6 MA's), (8, 54703), (11, 54739), (17, 54823), (21, 54865), (22, 54883), (23, 54955), (25, 54982), (27, 55018),

Gene: Jambalaya_76 Start: 51745, Stop: 52182, Start Num: 4
Candidate Starts for Jambalaya_76:
(Start: 4 @51745 has 6 MA's), (8, 51847), (9, 51859), (10, 51874), (16, 51967), (19, 51991), (20, 51997), (27, 52162),

Gene: KellEzio_12 Start: 5595, Stop: 5975, Start Num: 7
Candidate Starts for KellEzio_12:
(Start: 7 @5595 has 3 MA's), (14, 5712), (15, 5733), (23, 5877), (24, 5904), (26, 5916), (27, 5955),

Gene: Kitkat_13 Start: 5719, Stop: 6099, Start Num: 7
Candidate Starts for Kitkat_13:
(Start: 7 @5719 has 3 MA's), (14, 5836), (15, 5857), (23, 6001), (26, 6040), (27, 6079),

Gene: Nubi_81 Start: 52625, Stop: 53056, Start Num: 4
Candidate Starts for Nubi_81:
(Start: 4 @52625 has 6 MA's), (5, 52652), (6, 52655), (8, 52727), (11, 52763), (12, 52784), (13, 52796), (17, 52847), (18, 52859), (21, 52889), (27, 53036),

Gene: PinkCoffee_81 Start: 52499, Stop: 52939, Start Num: 4
Candidate Starts for PinkCoffee_81:

(2, 52208), (Start: 4 @52499 has 6 MA's), (11, 52637), (13, 52670), (17, 52721), (18, 52733), (21, 52763), (27, 52919),

Gene: Savbucketdawg_75 Start: 52079, Stop: 52519, Start Num: 4
Candidate Starts for Savbucketdawg_75:
(1, 51770), (2, 51788), (3, 51881), (Start: 4 @52079 has 6 MA's), (11, 52217), (13, 52250), (17, 52301), (18, 52313), (21, 52343), (27, 52499),

Gene: Valary_80 Start: 53339, Stop: 53767, Start Num: 4
Candidate Starts for Valary_80:
(1, 53030), (2, 53048), (3, 53141), (Start: 4 @53339 has 6 MA's), (11, 53477), (12, 53498), (17, 53561), (18, 53573), (21, 53603), (27, 53747),