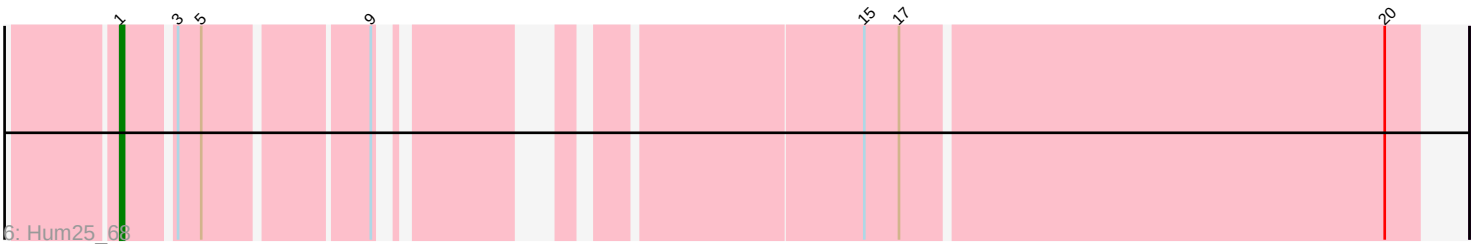
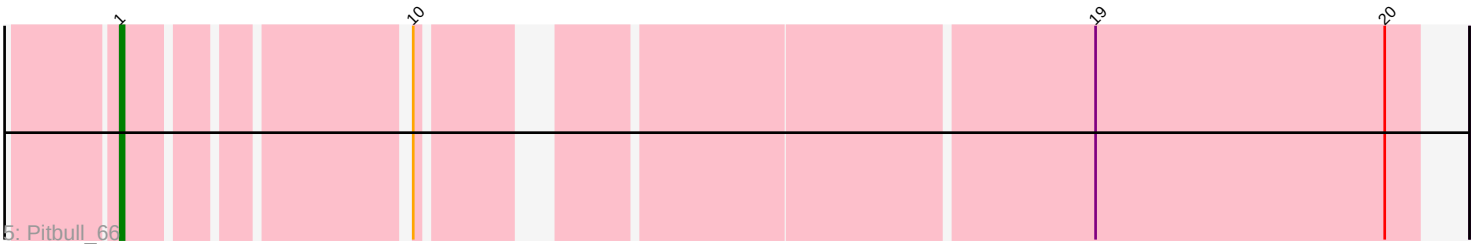
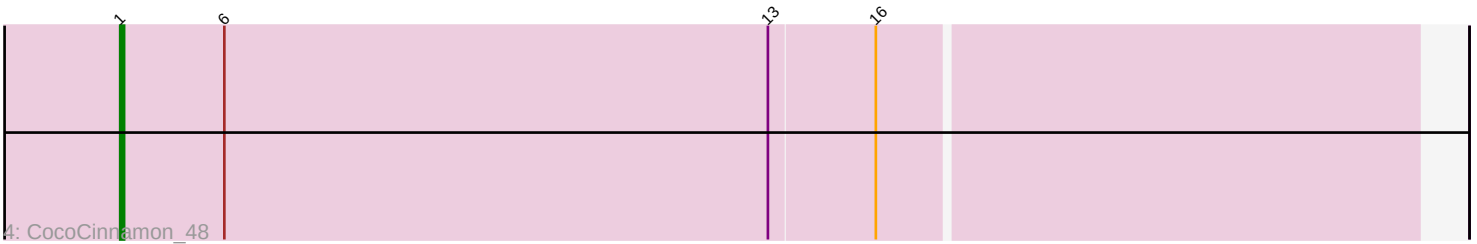
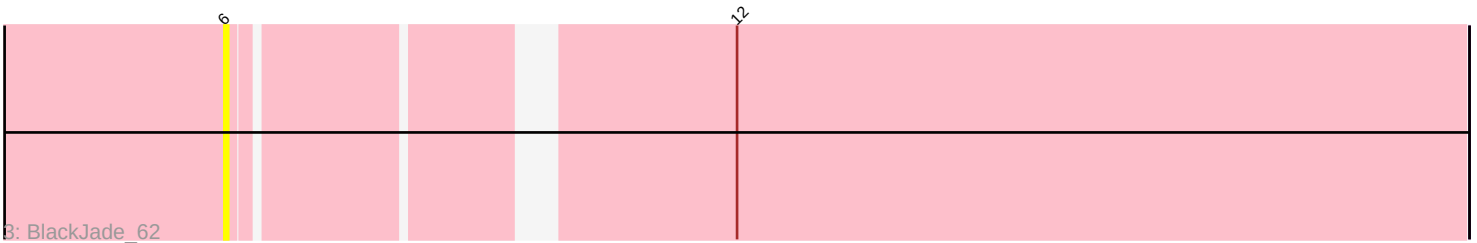
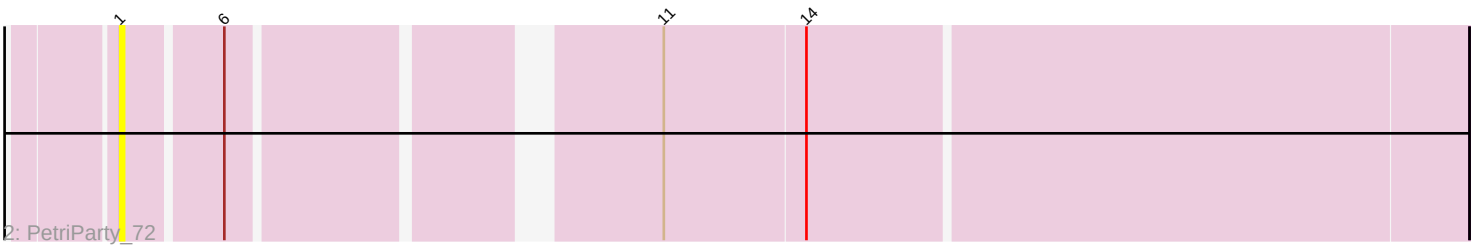
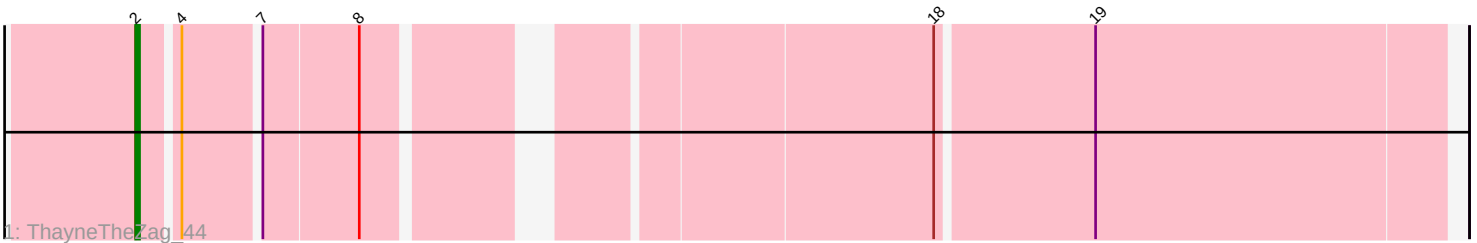


Pham 310151



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 310151 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310151 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : ThayneTheZag_44
- Track 2 : PetriParty_72
- Track 3 : BlackJade_62
- Track 4 : CocoCinnamon_48
- Track 5 : Pitbull_66
- Track 6 : Hum25_68

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 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CocoCinnamon_48, Hum25_68, PetriParty_72, Pitbull_66,

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

-

Genes that do not have the "Most Annotated" start:

- BlackJade_62, ThayneTheZag_44,

Summary by start number:

Start 1:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 3 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CocoCinnamon_48 (FO), Hum25_68 (FQ1), PetriParty_72 (FJ), Pitbull_66 (FQ1),

Start 2:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ThayneTheZag_44 (AY),

Start 6:

- Found in 3 of 6 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: BlackJade_62 (FL),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FJ, FQ1, FL, FO,

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FO:

- Start number 1 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FQ1:

- Start number 1 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: BlackJade_62 Start: 37865, Stop: 38167, Start Num: 6

Candidate Starts for BlackJade_62:

(6, 37865), (12, 37979),

Gene: CocoCinnamon_48 Start: 31892, Stop: 32224, Start Num: 1

Candidate Starts for CocoCinnamon_48:

(Start: 1 @31892 has 3 MA's), (6, 31919), (13, 32060), (16, 32087),

Gene: Hum25_68 Start: 37354, Stop: 37650, Start Num: 1

Candidate Starts for Hum25_68:

(Start: 1 @37354 has 3 MA's), (3, 37366), (5, 37372), (9, 37411), (15, 37510), (17, 37519), (20, 37642),

Gene: PetriParty_72 Start: 40849, Stop: 41172, Start Num: 1

Candidate Starts for PetriParty_72:

(Start: 1 @40849 has 3 MA's), (6, 40873), (11, 40969), (14, 41005),

Gene: Pitbull_66 Start: 36815, Stop: 37117, Start Num: 1

Candidate Starts for Pitbull_66:

(Start: 1 @36815 has 3 MA's), (10, 36878), (19, 37034), (20, 37109),

Gene: ThayneTheZag_44 Start: 28876, Stop: 28568, Start Num: 2

Candidate Starts for ThayneTheZag_44:

(Start: 2 @28876 has 1 MA's), (4, 28867), (7, 28849), (8, 28825), (18, 28696), (19, 28657),