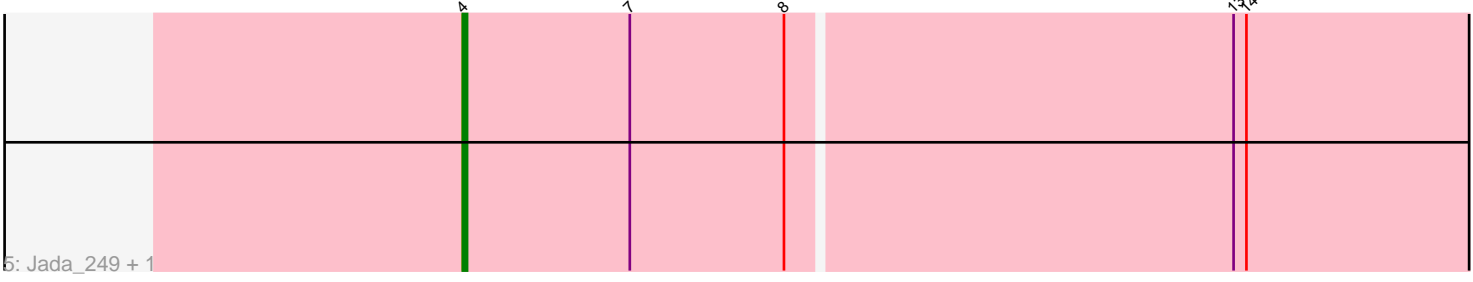
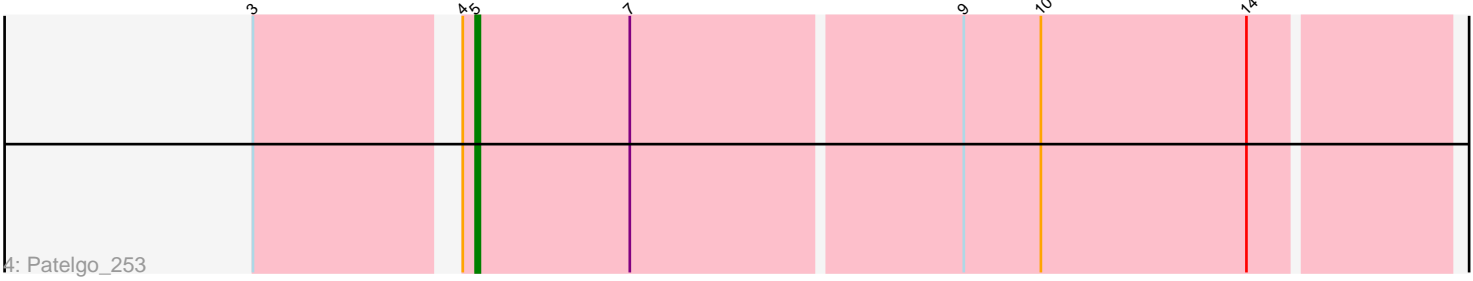
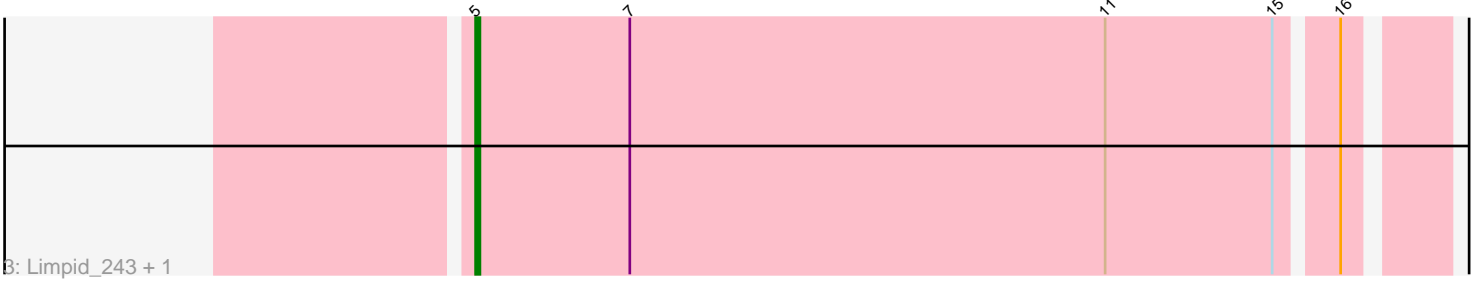
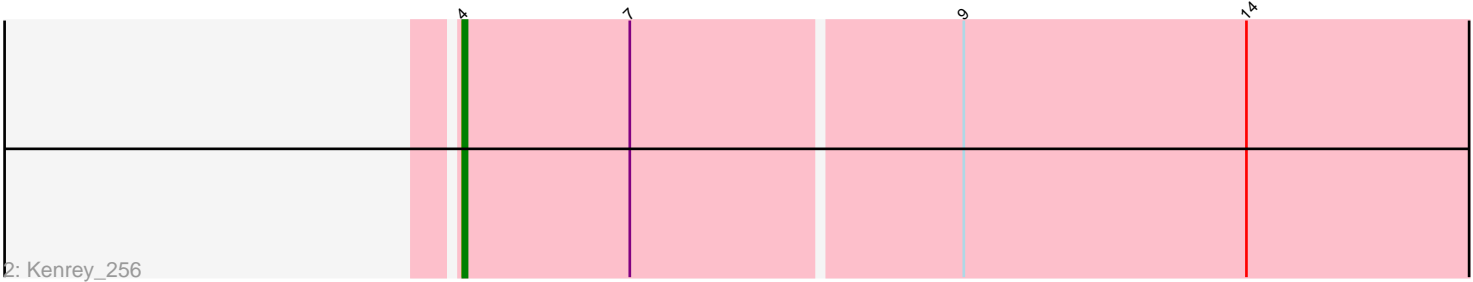
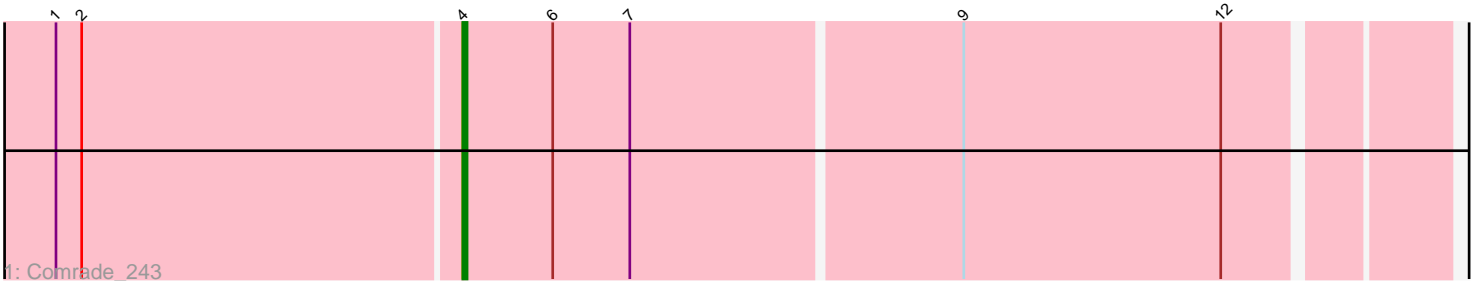


Pham 107078



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 107078 Report

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

Pham number 107078 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Comrade_243
- Track 2 : Kenrey_256
- Track 3 : Limpid_243, Annadreamy_237
- Track 4 : Patelgo_253
- Track 5 : Jada_249, Forrest_249

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Comrade_243, Forrest_249, Jada_249, Kenrey_256,

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

- Patelgo_253,

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

- Annadreamy_237, Limpid_243,

Summary by start number:

Start 4:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Comrade_243 (BK1), Forrest_249 (BK1), Jada_249 (BK1), Kenrey_256 (BK1),

Start 5:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Annadreamy_237 (BK1), Limpid_243 (BK1), Patelgo_253 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 4 times for cluster BK1.
- Start number 5 was manually annotated 3 times for cluster BK1.

Gene Information:

Gene: Annadreamy_237 Start: 113925, Stop: 114143, Start Num: 5

Candidate Starts for Annadreamy_237:

(Start: 5 @113925 has 3 MA's), (7, 113961), (11, 114072), (15, 114111), (16, 114123),

Gene: Comrade_243 Start: 118546, Stop: 118767, Start Num: 4

Candidate Starts for Comrade_243:

(1, 118453), (2, 118459), (Start: 4 @118546 has 4 MA's), (6, 118567), (7, 118585), (9, 118660), (12, 118720),

Gene: Forrest_249 Start: 118258, Stop: 118491, Start Num: 4

Candidate Starts for Forrest_249:

(Start: 4 @118258 has 4 MA's), (7, 118297), (8, 118333), (13, 118435), (14, 118438),

Gene: Jada_249 Start: 117498, Stop: 117731, Start Num: 4

Candidate Starts for Jada_249:

(Start: 4 @117498 has 4 MA's), (7, 117537), (8, 117573), (13, 117675), (14, 117678),

Gene: Kenrey_256 Start: 119251, Stop: 119484, Start Num: 4

Candidate Starts for Kenrey_256:

(Start: 4 @119251 has 4 MA's), (7, 119290), (9, 119365), (14, 119431),

Gene: Limpid_243 Start: 119238, Stop: 119456, Start Num: 5

Candidate Starts for Limpid_243:

(Start: 5 @119238 has 3 MA's), (7, 119274), (11, 119385), (15, 119424), (16, 119436),

Gene: Patelgo_253 Start: 121121, Stop: 121342, Start Num: 5

Candidate Starts for Patelgo_253:

(3, 121076), (Start: 4 @121118 has 4 MA's), (Start: 5 @121121 has 3 MA's), (7, 121157), (9, 121232), (10, 121250), (14, 121298),