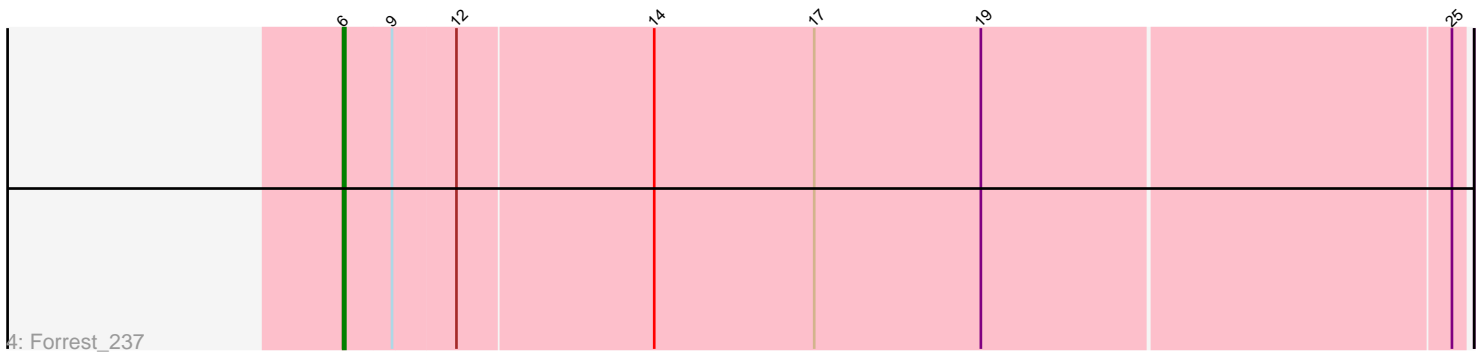
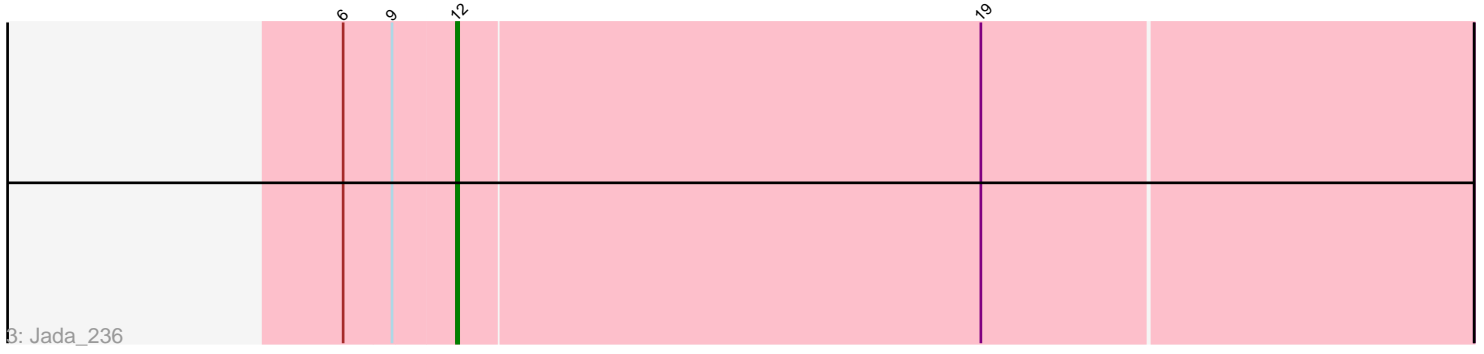
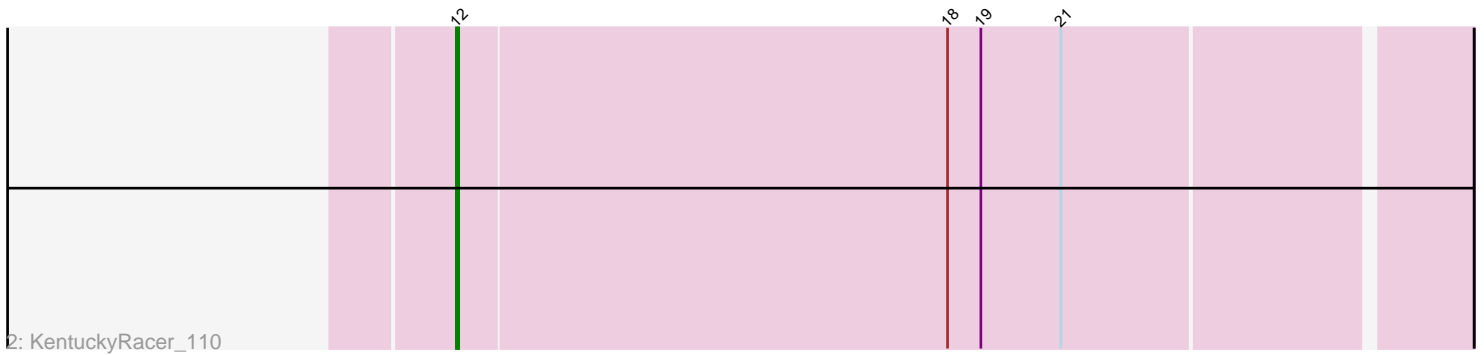
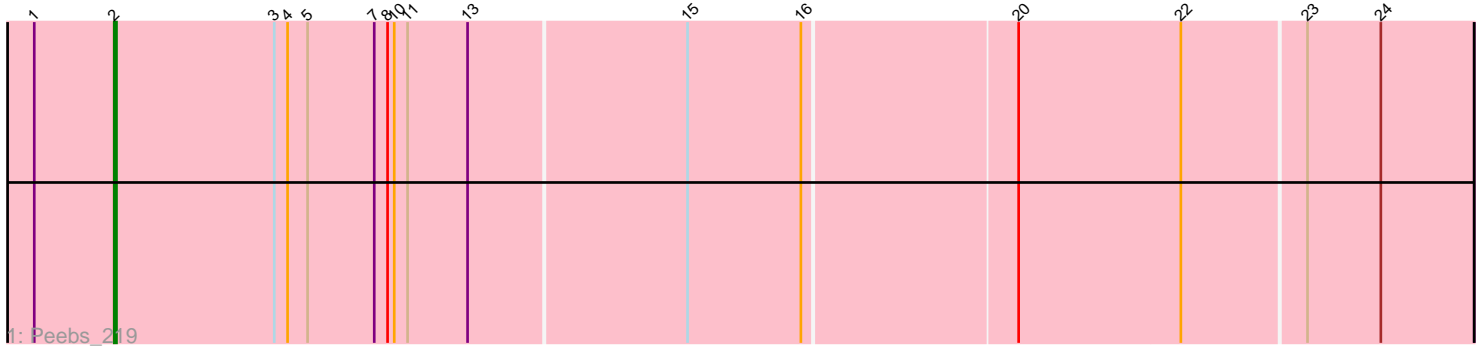


Pham 225351



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 225351 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225351 has 4 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Peebs_219
- Track 2 : KentuckyRacer_110
- Track 3 : Jada_236
- Track 4 : Forrest_237

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Jada_236, KentuckyRacer_110,

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

- Forrest_237,

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

- Peebs_219,

Summary by start number:

Start 2:

- Found in 1 of 4 (25.0%) 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: Peebs_219 (BE1),

Start 6:

- Found in 2 of 4 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Forrest_237 (BK1),

Start 12:

- Found in 3 of 4 (75.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Jada_236 (BK1), KentuckyRacer_110 (BE2),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BK1,

Info for manual annotations of cluster BE1:

- Start number 2 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 12 was manually annotated 1 time for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 6 was manually annotated 1 time for cluster BK1.
- Start number 12 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Forrest_237 Start: 114096, Stop: 114590, Start Num: 6

Candidate Starts for Forrest_237:

(Start: 6 @114096 has 1 MA's), (9, 114117), (Start: 12 @114144 has 2 MA's), (14, 114231), (17, 114303), (19, 114378), (25, 114585),

Gene: Jada_236 Start: 113382, Stop: 113834, Start Num: 12

Candidate Starts for Jada_236:

(Start: 6 @113334 has 1 MA's), (9, 113355), (Start: 12 @113382 has 2 MA's), (19, 113616),

Gene: KentuckyRacer_110 Start: 73819, Stop: 74262, Start Num: 12

Candidate Starts for KentuckyRacer_110:

(Start: 12 @73819 has 2 MA's), (18, 74038), (19, 74053), (21, 74089),

Gene: Peebs_219 Start: 112985, Stop: 113584, Start Num: 2

Candidate Starts for Peebs_219:

(1, 112949), (Start: 2 @112985 has 1 MA's), (3, 113057), (4, 113063), (5, 113072), (7, 113102), (8, 113108), (10, 113111), (11, 113117), (13, 113144), (15, 113240), (16, 113291), (20, 113384), (22, 113456), (23, 113510), (24, 113543),