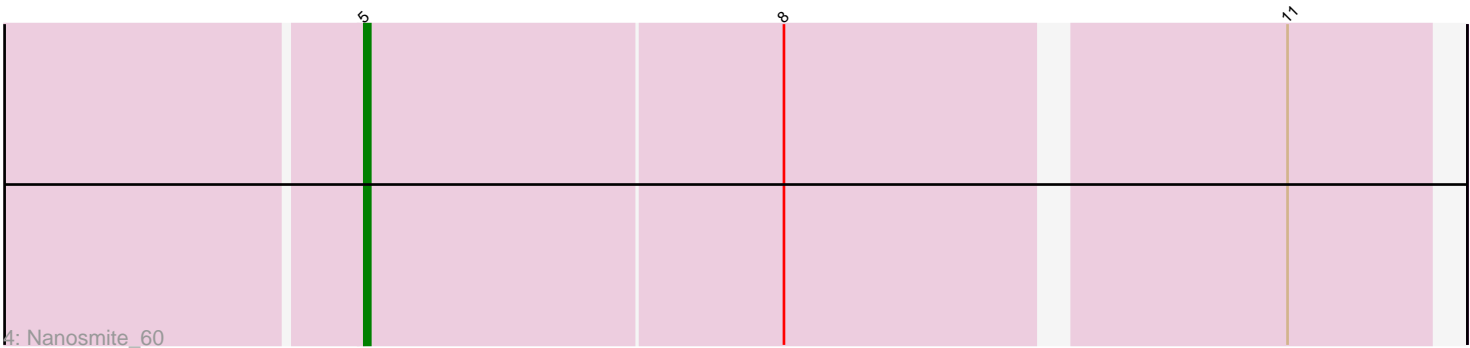
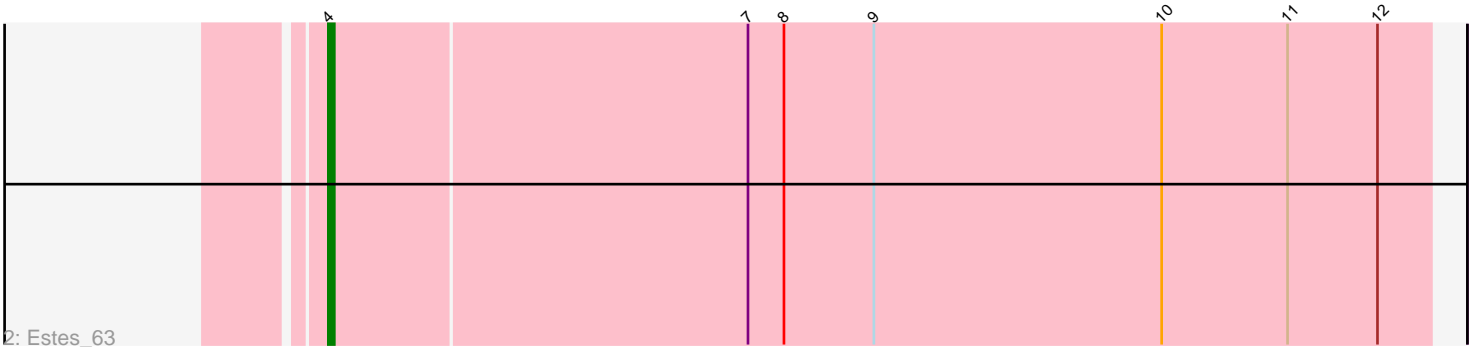
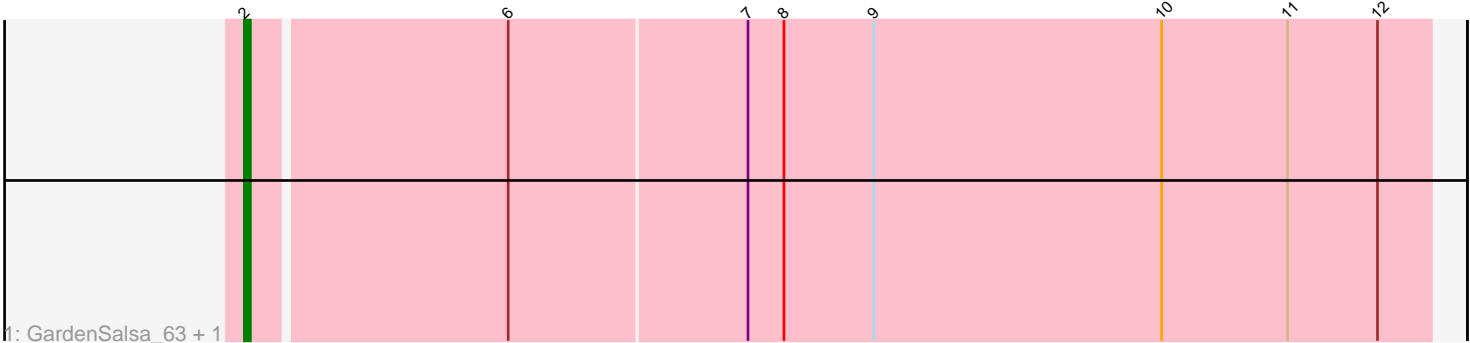


Pham 107336



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 107336 Report

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

Pham number 107336 has 5 members, 0 are drafts.

Phages represented in each track:

- Track 1 : GardenSalsa_63, MrMagoo_63
- Track 2 : Estes_63
- Track 3 : Rey_62
- Track 4 : Nanosmite_60

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

The start number called the most often in the published annotations is 2, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GardenSalsa_63, MrMagoo_63,

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

-

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

- Estes_63, Nanosmite_60, Rey_62,

Summary by start number:

Start 1:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rey_62 (M2),

Start 2:

- Found in 2 of 5 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GardenSalsa_63 (M2), MrMagoo_63 (M2),

Start 4:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Estes_63 (M2),

Start 5:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nanosmite_60 (M3),

Summary by clusters:

There are 2 clusters represented in this pham: M3, M2,

Info for manual annotations of cluster M2:

- Start number 1 was manually annotated 1 time for cluster M2.
- Start number 2 was manually annotated 2 times for cluster M2.
- Start number 4 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:

- Start number 5 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Estes_63 Start: 41490, Stop: 41672, Start Num: 4

Candidate Starts for Estes_63:

(Start: 4 @41490 has 1 MA's), (7, 41559), (8, 41565), (9, 41580), (10, 41628), (11, 41649), (12, 41664),

Gene: GardenSalsa_63 Start: 41640, Stop: 41834, Start Num: 2

Candidate Starts for GardenSalsa_63:

(Start: 2 @41640 has 2 MA's), (6, 41682), (7, 41721), (8, 41727), (9, 41742), (10, 41790), (11, 41811), (12, 41826),

Gene: MrMagoo_63 Start: 41640, Stop: 41834, Start Num: 2

Candidate Starts for MrMagoo_63:

(Start: 2 @41640 has 2 MA's), (6, 41682), (7, 41721), (8, 41727), (9, 41742), (10, 41790), (11, 41811), (12, 41826),

Gene: Nanosmite_60 Start: 40857, Stop: 41027, Start Num: 5

Candidate Starts for Nanosmite_60:

(Start: 5 @40857 has 1 MA's), (8, 40926), (11, 41004),

Gene: Rey_62 Start: 41497, Stop: 41709, Start Num: 1

Candidate Starts for Rey_62:

(Start: 1 @41497 has 1 MA's), (3, 41518), (6, 41551), (10, 41659), (11, 41680),