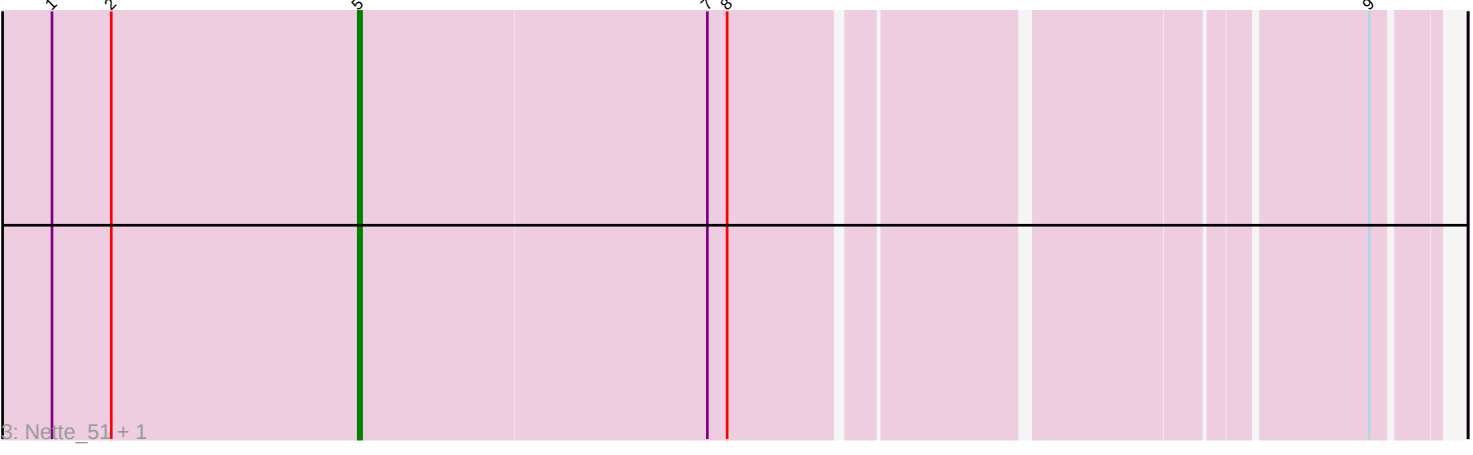
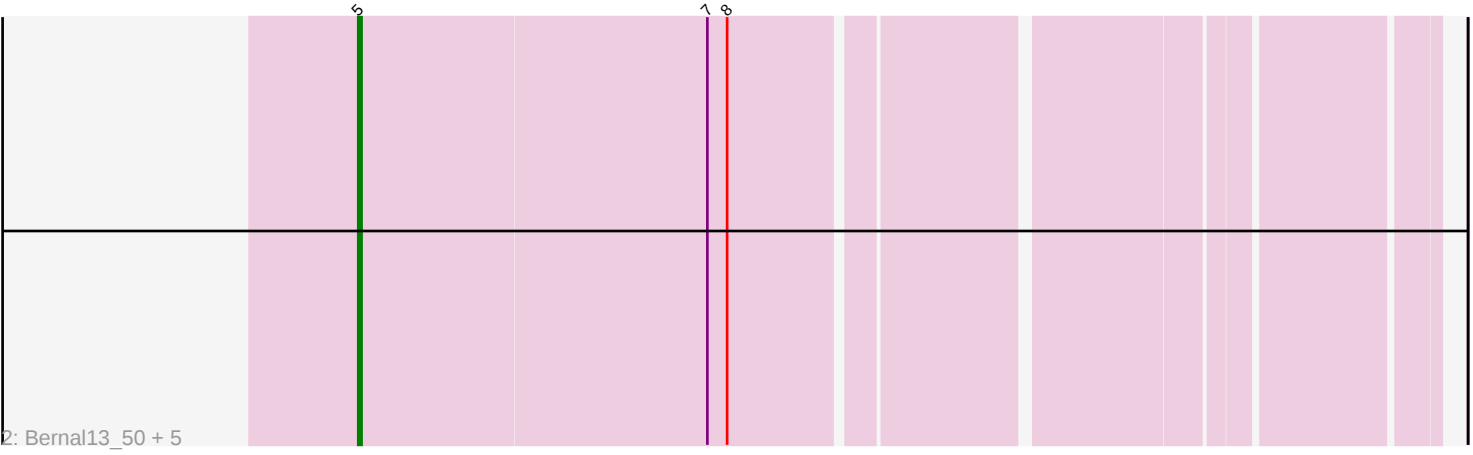
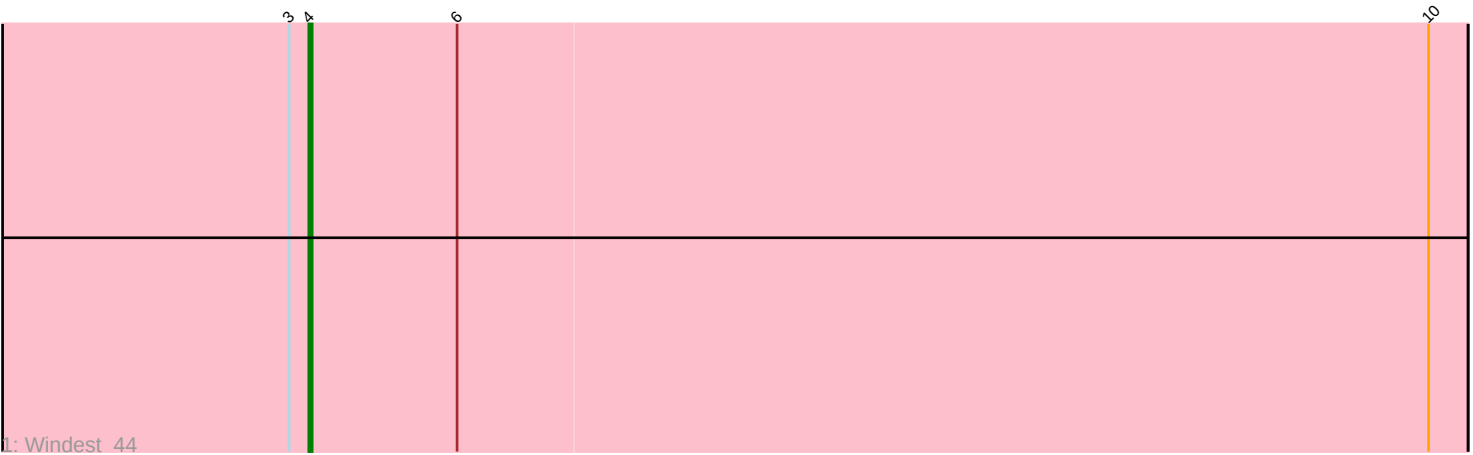




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309834 Report

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

Pham number 309834 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Windest_44
- Track 2 : Bernal13_50, Nairb_49, RonRayGun_50, Ibrahim_50, Whitty_49, ZenTime222_49
- Track 3 : Nette_51, Mendokysei_48

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bernal13_50, Ibrahim_50, Mendokysei_48, Nairb_49, Nette_51, RonRayGun_50, Whitty_49, ZenTime222_49,

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

-

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

- Windest_44,

Summary by start number:

Start 4:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Windest_44 (AY),

Start 5:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_50 (T), Ibrahim_50 (T), Mendokysei_48 (T), Nairb_49 (T), Nette_51 (T), RonRayGun_50 (T), Whitty_49 (T),

ZenTime222_49 (T),

Summary by clusters:

There are 2 clusters represented in this pham: AY, T,

Info for manual annotations of cluster AY:

- Start number 4 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster T:

- Start number 5 was manually annotated 7 times for cluster T.

Gene Information:

Gene: Bernal13_50 Start: 36466, Stop: 36771, Start Num: 5

Candidate Starts for Bernal13_50:

(Start: 5 @36466 has 7 MA's), (7, 36571), (8, 36577),

Gene: Ibrahim_50 Start: 36912, Stop: 37217, Start Num: 5

Candidate Starts for Ibrahim_50:

(Start: 5 @36912 has 7 MA's), (7, 37017), (8, 37023),

Gene: Mendokysei_48 Start: 36038, Stop: 36343, Start Num: 5

Candidate Starts for Mendokysei_48:

(1, 35945), (2, 35963), (Start: 5 @36038 has 7 MA's), (7, 36143), (8, 36149), (9, 36326),

Gene: Nairb_49 Start: 36466, Stop: 36771, Start Num: 5

Candidate Starts for Nairb_49:

(Start: 5 @36466 has 7 MA's), (7, 36571), (8, 36577),

Gene: Nette_51 Start: 36047, Stop: 36352, Start Num: 5

Candidate Starts for Nette_51:

(1, 35954), (2, 35972), (Start: 5 @36047 has 7 MA's), (7, 36152), (8, 36158), (9, 36335),

Gene: RonRayGun_50 Start: 36912, Stop: 37217, Start Num: 5

Candidate Starts for RonRayGun_50:

(Start: 5 @36912 has 7 MA's), (7, 37017), (8, 37023),

Gene: Whitty_49 Start: 36467, Stop: 36772, Start Num: 5

Candidate Starts for Whitty_49:

(Start: 5 @36467 has 7 MA's), (7, 36572), (8, 36578),

Gene: Windest_44 Start: 27860, Stop: 27510, Start Num: 4

Candidate Starts for Windest_44:

(3, 27866), (Start: 4 @27860 has 1 MA's), (6, 27815), (10, 27521),

Gene: ZenTime222_49 Start: 36466, Stop: 36771, Start Num: 5

Candidate Starts for ZenTime222_49:

(Start: 5 @36466 has 7 MA's), (7, 36571), (8, 36577),