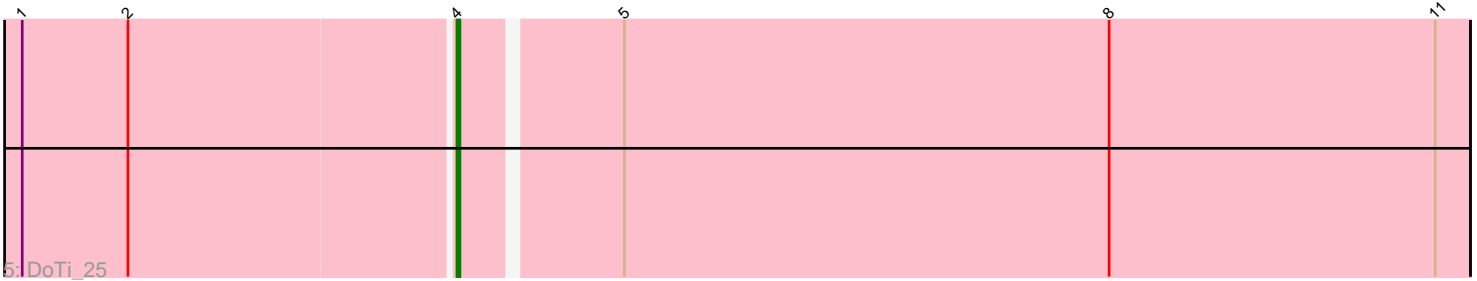
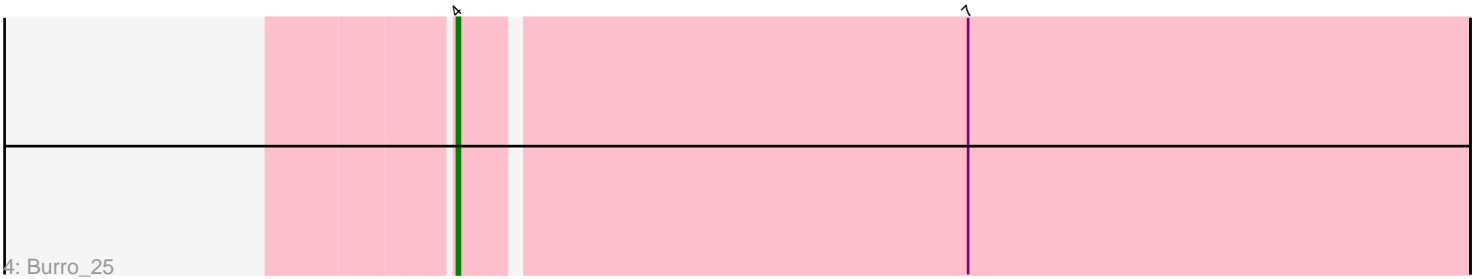
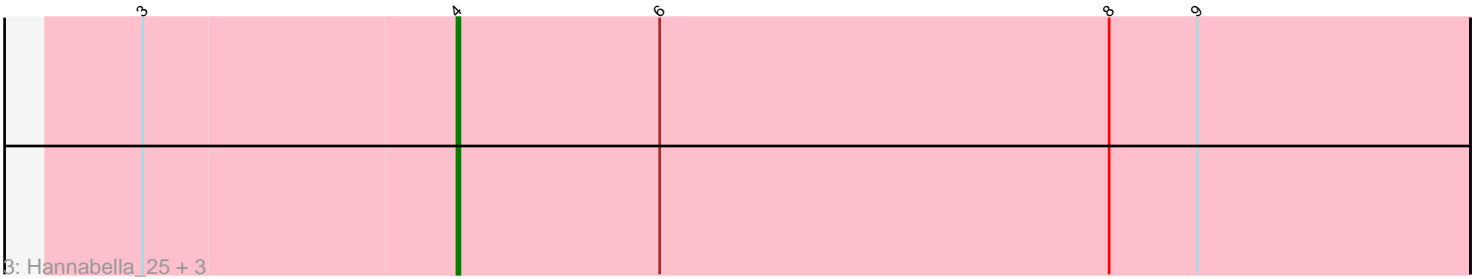
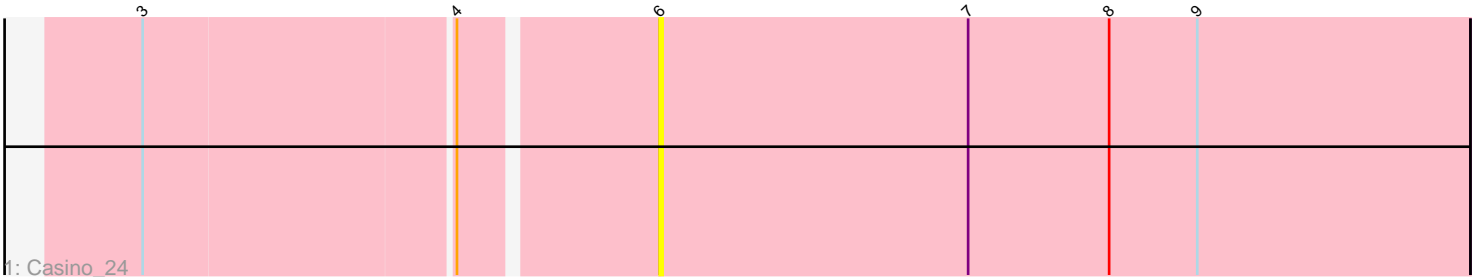


Pham 7150



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 7150 Report

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

Pham number 7150 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Casino_24
- Track 2 : Araxxi_25
- Track 3 : Hannabella_25, Arete_25, Gshelby23_23, Scruffy_25
- Track 4 : Burro_25
- Track 5 : DoTi_25

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araxxi_25, Arete_25, Burro_25, DoTi_25, Gshelby23_23, Hannabella_25, Scruffy_25,

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

- Casino_24,

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

•

Summary by start number:

Start 4:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Araxxi_25 (EM1), Arete_25 (EM1), Burro_25 (EM1), DoTi_25 (EM1), Gshelby23_23 (EM1), Hannabella_25 (EM1), Scruffy_25 (EM1),

Start 6:

- Found in 5 of 8 (62.5%) of genes in pham
- No Manual Annotations of this start.

- Called 20.0% of time when present
- Phage (with cluster) where this start called: Casino_24 (EM1),

Summary by clusters:

There is one cluster represented in this pham: EM1

Info for manual annotations of cluster EM1:

- Start number 4 was manually annotated 6 times for cluster EM1.

Gene Information:

Gene: Araxxi_25 Start: 18279, Stop: 17941, Start Num: 4

Candidate Starts for Araxxi_25:

(1, 18423), (2, 18387), (Start: 4 @18279 has 6 MA's), (5, 18228), (8, 18063), (10, 17979), (11, 17952),

Gene: Arete_25 Start: 17978, Stop: 17637, Start Num: 4

Candidate Starts for Arete_25:

(3, 18083), (Start: 4 @17978 has 6 MA's), (6, 17909), (8, 17759), (9, 17729),

Gene: Burro_25 Start: 17656, Stop: 17318, Start Num: 4

Candidate Starts for Burro_25:

(Start: 4 @17656 has 6 MA's), (7, 17488),

Gene: Casino_24 Start: 17900, Stop: 17625, Start Num: 6

Candidate Starts for Casino_24:

(3, 18065), (Start: 4 @17963 has 6 MA's), (6, 17900), (7, 17795), (8, 17747), (9, 17717),

Gene: DoTi_25 Start: 18363, Stop: 18025, Start Num: 4

Candidate Starts for DoTi_25:

(1, 18507), (2, 18471), (Start: 4 @18363 has 6 MA's), (5, 18312), (8, 18147), (11, 18036),

Gene: Gshelby23_23 Start: 17924, Stop: 17583, Start Num: 4

Candidate Starts for Gshelby23_23:

(3, 18029), (Start: 4 @17924 has 6 MA's), (6, 17855), (8, 17705), (9, 17675),

Gene: Hannabella_25 Start: 17967, Stop: 17623, Start Num: 4

Candidate Starts for Hannabella_25:

(3, 18072), (Start: 4 @17967 has 6 MA's), (6, 17898), (8, 17745), (9, 17715),

Gene: Scruffy_25 Start: 18212, Stop: 17871, Start Num: 4

Candidate Starts for Scruffy_25:

(3, 18317), (Start: 4 @18212 has 6 MA's), (6, 18143), (8, 17993), (9, 17963),