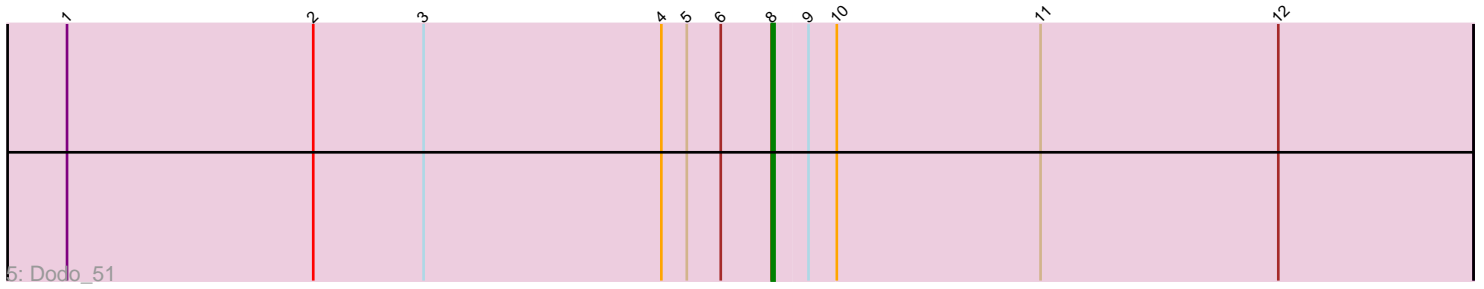
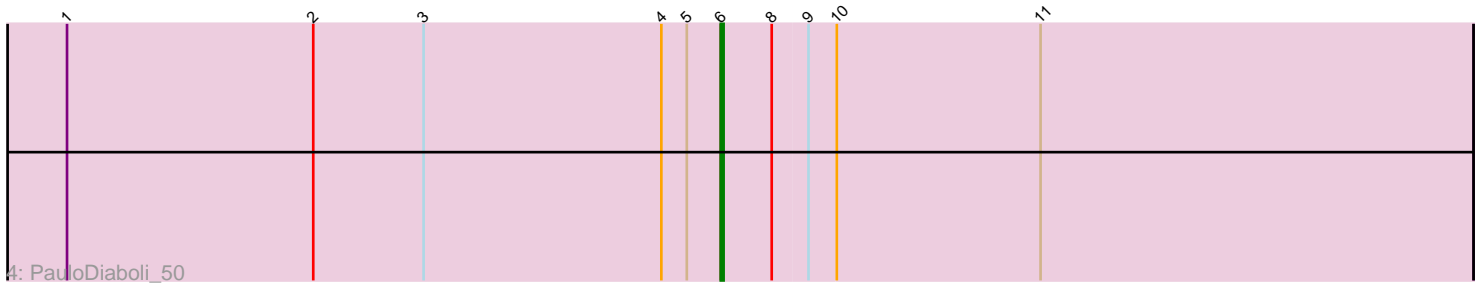
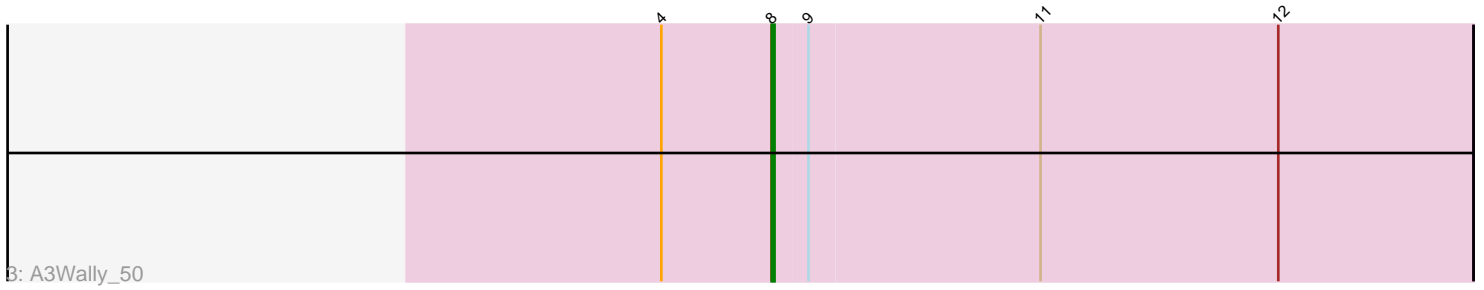
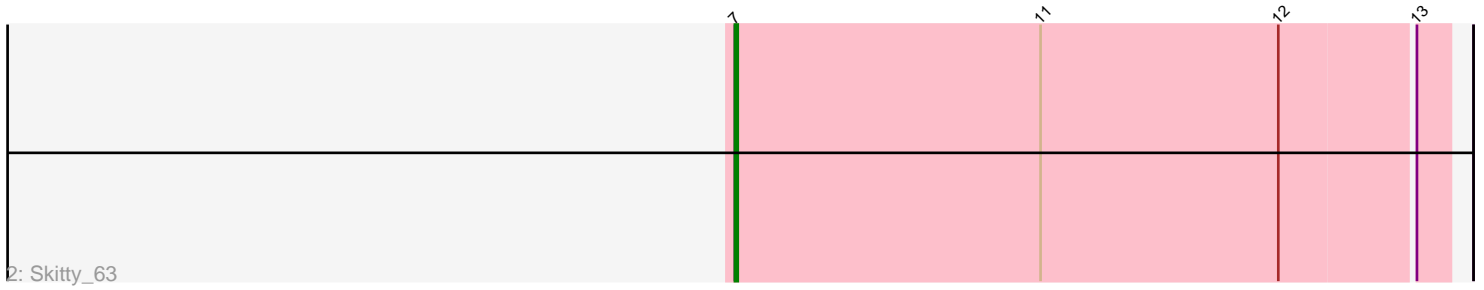
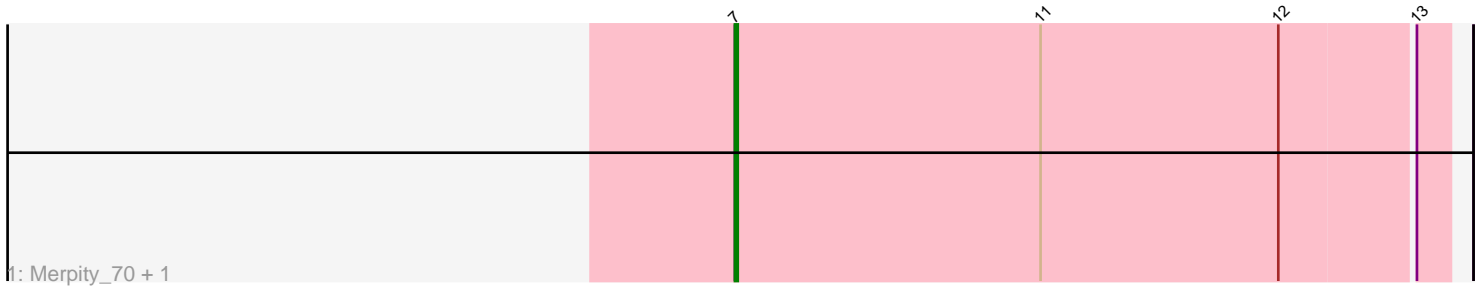


Pham 304020



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 304020 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304020 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Merpity_70, MrSmee_68
- Track 2 : Skitty_63
- Track 3 : A3Wally_50
- Track 4 : PauloDiaboli_50
- Track 5 : Dodo_51

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Merpity_70, MrSmee_68, Skitty_63,

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

-

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

- A3Wally_50, Dodo_51, PauloDiaboli_50,

Summary by start number:

Start 6:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: PauloDiaboli_50 (GD1),

Start 7:

- Found in 3 of 6 (50.0%) 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: Merpity_70 (FQ), MrSmee_68 (FQ), Skitty_63 (FQ),

Start 8:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: A3Wally_50 (GD1), Dodo_51 (GD1),

Summary by clusters:

There are 2 clusters represented in this pham: GD1, FQ,

Info for manual annotations of cluster FQ:

- Start number 7 was manually annotated 2 times for cluster FQ.

Info for manual annotations of cluster GD1:

- Start number 6 was manually annotated 1 time for cluster GD1.
- Start number 8 was manually annotated 2 times for cluster GD1.

Gene Information:

Gene: A3Wally_50 Start: 17962, Stop: 17717, Start Num: 8

Candidate Starts for A3Wally_50:

(4, 18001), (Start: 8 @17962 has 2 MA's), (9, 17950), (11, 17869), (12, 17785),

Gene: Dodo_51 Start: 17835, Stop: 17590, Start Num: 8

Candidate Starts for Dodo_51:

(1, 18084), (2, 17997), (3, 17958), (4, 17874), (5, 17865), (Start: 6 @17853 has 1 MA's), (Start: 8 @17835 has 2 MA's), (9, 17823), (10, 17814), (11, 17742), (12, 17658),

Gene: Merpity_70 Start: 37678, Stop: 37926, Start Num: 7

Candidate Starts for Merpity_70:

(Start: 7 @37678 has 2 MA's), (11, 37786), (12, 37870), (13, 37915),

Gene: MrSmee_68 Start: 37486, Stop: 37734, Start Num: 7

Candidate Starts for MrSmee_68:

(Start: 7 @37486 has 2 MA's), (11, 37594), (12, 37678), (13, 37723),

Gene: PauloDiaboli_50 Start: 17816, Stop: 17553, Start Num: 6

Candidate Starts for PauloDiaboli_50:

(1, 18047), (2, 17960), (3, 17921), (4, 17837), (5, 17828), (Start: 6 @17816 has 1 MA's), (Start: 8 @17798 has 2 MA's), (9, 17786), (10, 17777), (11, 17705),

Gene: Skitty_63 Start: 35725, Stop: 35973, Start Num: 7

Candidate Starts for Skitty_63:

(Start: 7 @35725 has 2 MA's), (11, 35833), (12, 35917), (13, 35962),