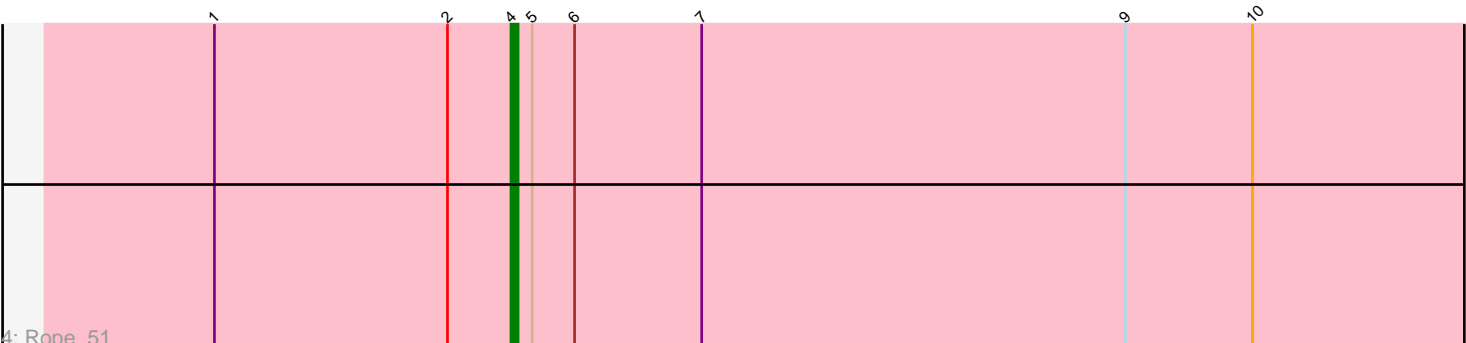
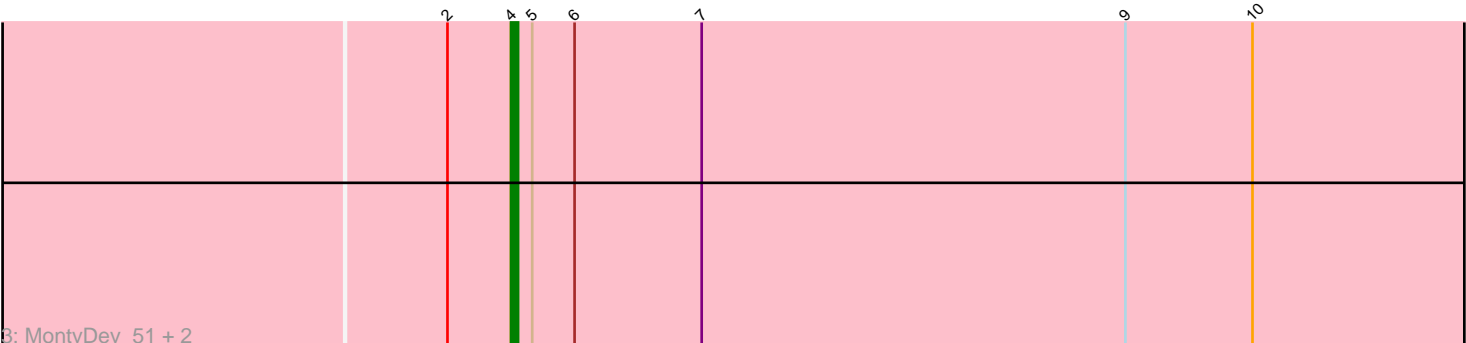
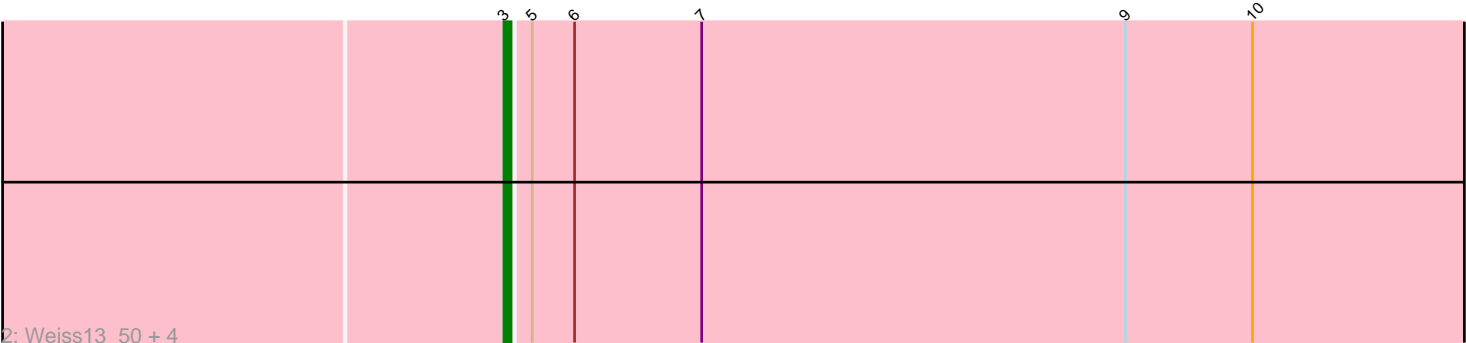
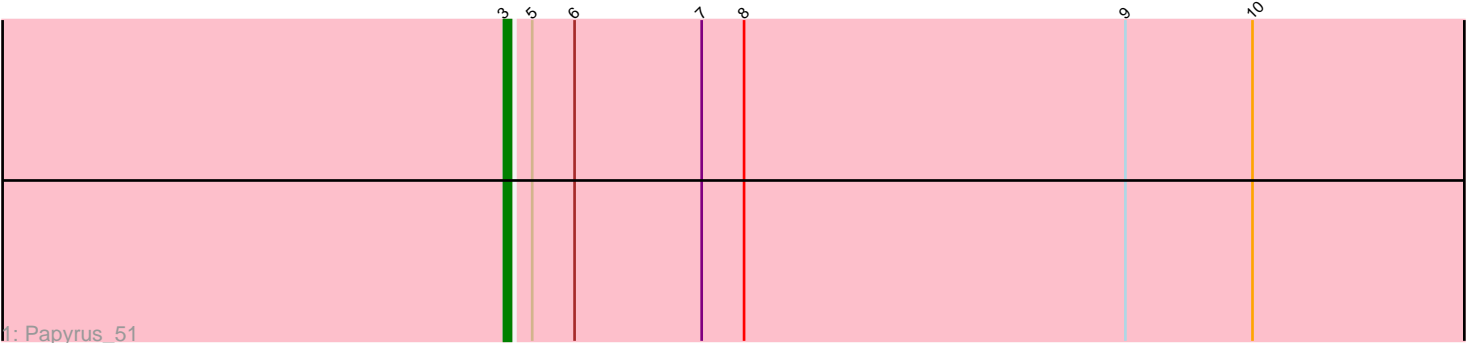


Pham 6505



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 6505 Report

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

Pham number 6505 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Papyrus_51
- Track 2 : Weiss13_50, Send513_51, Candle_50, Nilo_52, Riparian_51
- Track 3 : MontyDev_51, Yelo_50, Zenon_51
- Track 4 : Rope_51

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candle_50, Nilo_52, Papyrus_51, Riparian_51, Send513_51, Weiss13_50,

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

-

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

- MontyDev_51, Rope_51, Yelo_50, Zenon_51,

Summary by start number:

Start 3:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candle_50 (R), Nilo_52 (R), Papyrus_51 (R), Riparian_51 (R), Send513_51 (R), Weiss13_50 (R),

Start 4:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MontyDev_51 (R), Rope_51 (R), Yelo_50 (R), Zenon_51 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:

- Start number 3 was manually annotated 6 times for cluster R.
- Start number 4 was manually annotated 2 times for cluster R.

Gene Information:

Gene: Candle_50 Start: 40409, Stop: 40579, Start Num: 3

Candidate Starts for Candle_50:

(Start: 3 @40409 has 6 MA's), (5, 40412), (6, 40418), (7, 40436), (9, 40496), (10, 40514),

Gene: MontyDev_51 Start: 40057, Stop: 40227, Start Num: 4

Candidate Starts for MontyDev_51:

(2, 40048), (Start: 4 @40057 has 2 MA's), (5, 40060), (6, 40066), (7, 40084), (9, 40144), (10, 40162),

Gene: Nilo_52 Start: 40433, Stop: 40603, Start Num: 3

Candidate Starts for Nilo_52:

(Start: 3 @40433 has 6 MA's), (5, 40436), (6, 40442), (7, 40460), (9, 40520), (10, 40538),

Gene: Papyrus_51 Start: 40266, Stop: 40436, Start Num: 3

Candidate Starts for Papyrus_51:

(Start: 3 @40266 has 6 MA's), (5, 40269), (6, 40275), (7, 40293), (8, 40299), (9, 40353), (10, 40371),

Gene: Riparian_51 Start: 39855, Stop: 40025, Start Num: 3

Candidate Starts for Riparian_51:

(Start: 3 @39855 has 6 MA's), (5, 39858), (6, 39864), (7, 39882), (9, 39942), (10, 39960),

Gene: Rope_51 Start: 40255, Stop: 40425, Start Num: 4

Candidate Starts for Rope_51:

(1, 40213), (2, 40246), (Start: 4 @40255 has 2 MA's), (5, 40258), (6, 40264), (7, 40282), (9, 40342), (10, 40360),

Gene: Send513_51 Start: 40392, Stop: 40559, Start Num: 3

Candidate Starts for Send513_51:

(Start: 3 @40392 has 6 MA's), (5, 40395), (6, 40401), (7, 40419), (9, 40479), (10, 40497),

Gene: Weiss13_50 Start: 40088, Stop: 40258, Start Num: 3

Candidate Starts for Weiss13_50:

(Start: 3 @40088 has 6 MA's), (5, 40091), (6, 40097), (7, 40115), (9, 40175), (10, 40193),

Gene: Yelo_50 Start: 40470, Stop: 40640, Start Num: 4

Candidate Starts for Yelo_50:

(2, 40461), (Start: 4 @40470 has 2 MA's), (5, 40473), (6, 40479), (7, 40497), (9, 40557), (10, 40575),

Gene: Zenon_51 Start: 40418, Stop: 40588, Start Num: 4

Candidate Starts for Zenon_51:

(2, 40409), (Start: 4 @40418 has 2 MA's), (5, 40421), (6, 40427), (7, 40445), (9, 40505), (10, 40523),

