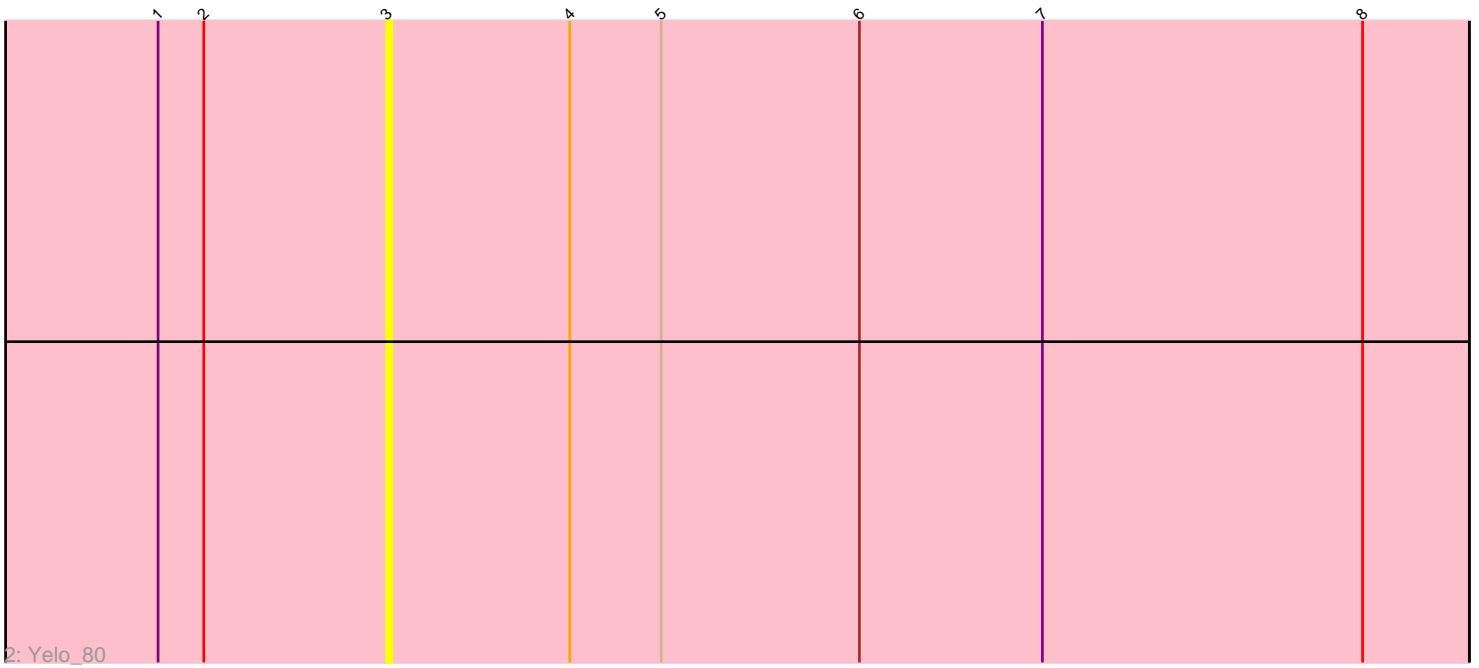
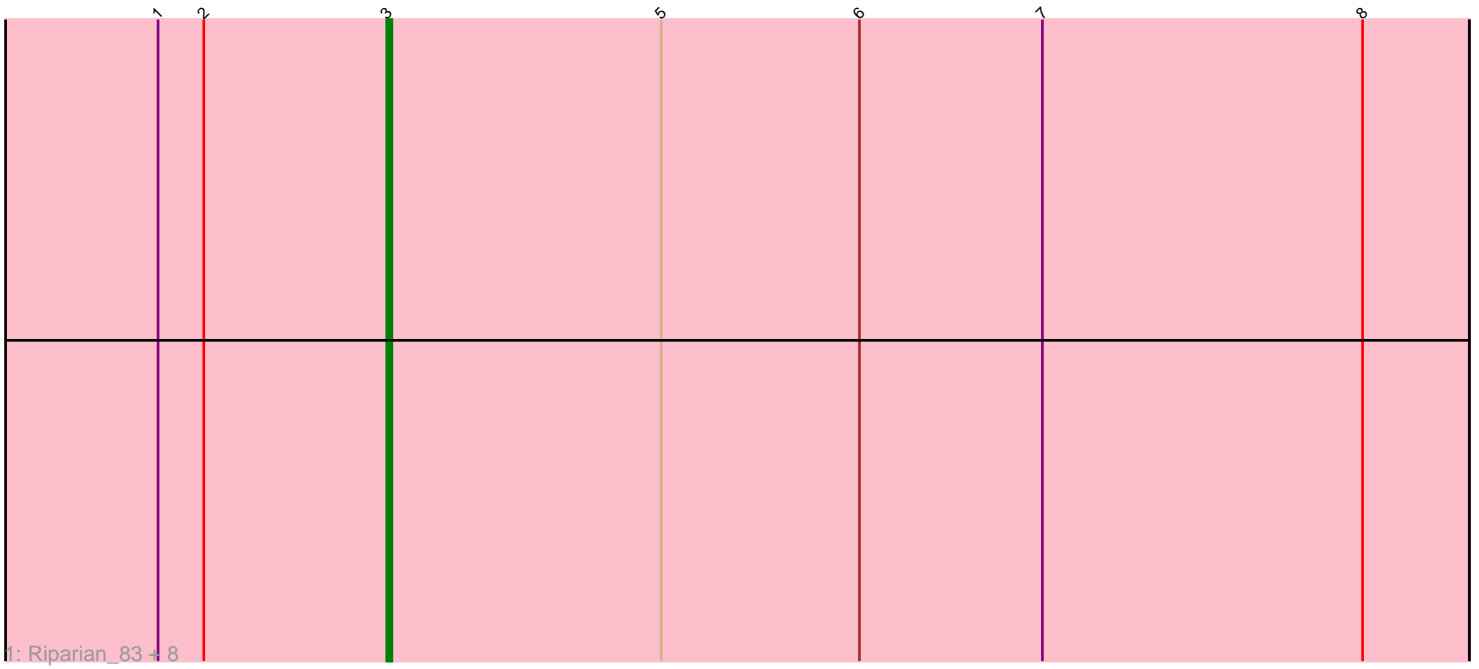


Pham 6305



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 6305 Report

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

Pham number 6305 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Riparian_83, Send513_81, Nilo_84, Papyrus_80, MontyDev_81, Weiss13_81, Candle_79, Rope_81, Zenon_83
- Track 2 : Yelo_80

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Candle_79, MontyDev_81, Nilo_84, Papyrus_80, Riparian_83, Rope_81, Send513_81, Weiss13_81, Yelo_80, Zenon_83,

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

-

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

-

Summary by start number:

Start 3:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candle_79 (R), MontyDev_81 (R), Nilo_84 (R), Papyrus_80 (R), Riparian_83 (R), Rope_81 (R), Send513_81 (R), Weiss13_81 (R), Yelo_80 (R), Zenon_83 (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 8 times for cluster R.

Gene Information:

Gene: Candle_79 Start: 62247, Stop: 62459, Start Num: 3

Candidate Starts for Candle_79:

(1, 62202), (2, 62211), (Start: 3 @62247 has 8 MA's), (5, 62301), (6, 62340), (7, 62376), (8, 62439),

Gene: MontyDev_81 Start: 61890, Stop: 62102, Start Num: 3

Candidate Starts for MontyDev_81:

(1, 61845), (2, 61854), (Start: 3 @61890 has 8 MA's), (5, 61944), (6, 61983), (7, 62019), (8, 62082),

Gene: Nilo_84 Start: 62249, Stop: 62461, Start Num: 3

Candidate Starts for Nilo_84:

(1, 62204), (2, 62213), (Start: 3 @62249 has 8 MA's), (5, 62303), (6, 62342), (7, 62378), (8, 62441),

Gene: Papyrus_80 Start: 60908, Stop: 61120, Start Num: 3

Candidate Starts for Papyrus_80:

(1, 60863), (2, 60872), (Start: 3 @60908 has 8 MA's), (5, 60962), (6, 61001), (7, 61037), (8, 61100),

Gene: Riparian_83 Start: 61695, Stop: 61907, Start Num: 3

Candidate Starts for Riparian_83:

(1, 61650), (2, 61659), (Start: 3 @61695 has 8 MA's), (5, 61749), (6, 61788), (7, 61824), (8, 61887),

Gene: Rope_81 Start: 61854, Stop: 62066, Start Num: 3

Candidate Starts for Rope_81:

(1, 61809), (2, 61818), (Start: 3 @61854 has 8 MA's), (5, 61908), (6, 61947), (7, 61983), (8, 62046),

Gene: Send513_81 Start: 62231, Stop: 62443, Start Num: 3

Candidate Starts for Send513_81:

(1, 62186), (2, 62195), (Start: 3 @62231 has 8 MA's), (5, 62285), (6, 62324), (7, 62360), (8, 62423),

Gene: Weiss13_81 Start: 61932, Stop: 62144, Start Num: 3

Candidate Starts for Weiss13_81:

(1, 61887), (2, 61896), (Start: 3 @61932 has 8 MA's), (5, 61986), (6, 62025), (7, 62061), (8, 62124),

Gene: Yelo_80 Start: 62287, Stop: 62499, Start Num: 3

Candidate Starts for Yelo_80:

(1, 62242), (2, 62251), (Start: 3 @62287 has 8 MA's), (4, 62323), (5, 62341), (6, 62380), (7, 62416), (8, 62479),

Gene: Zenon_83 Start: 62258, Stop: 62470, Start Num: 3

Candidate Starts for Zenon_83:

(1, 62213), (2, 62222), (Start: 3 @62258 has 8 MA's), (5, 62312), (6, 62351), (7, 62387), (8, 62450),