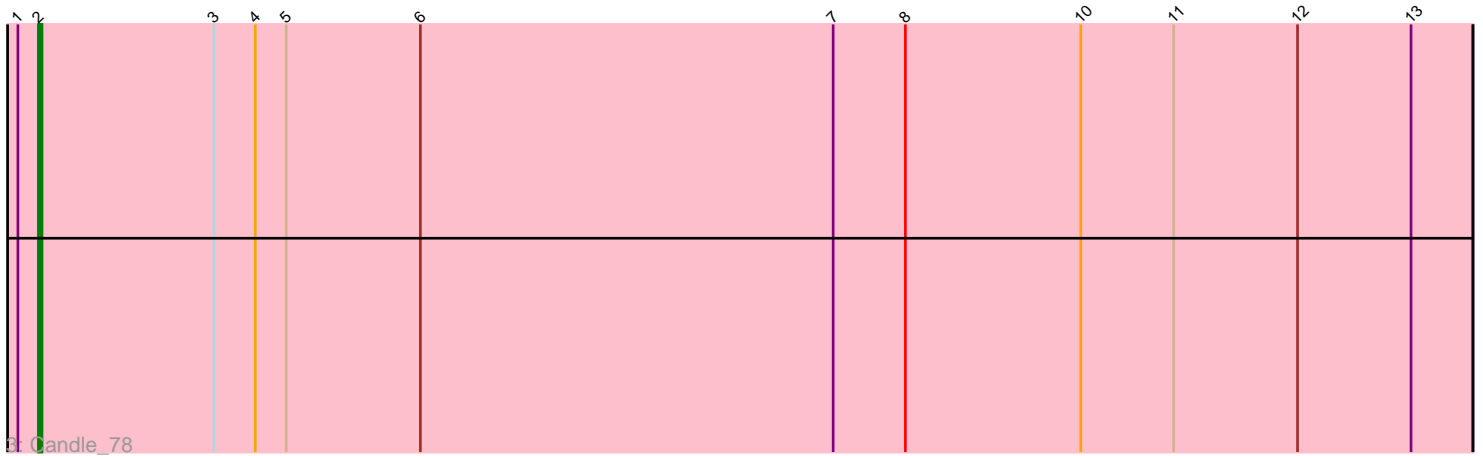
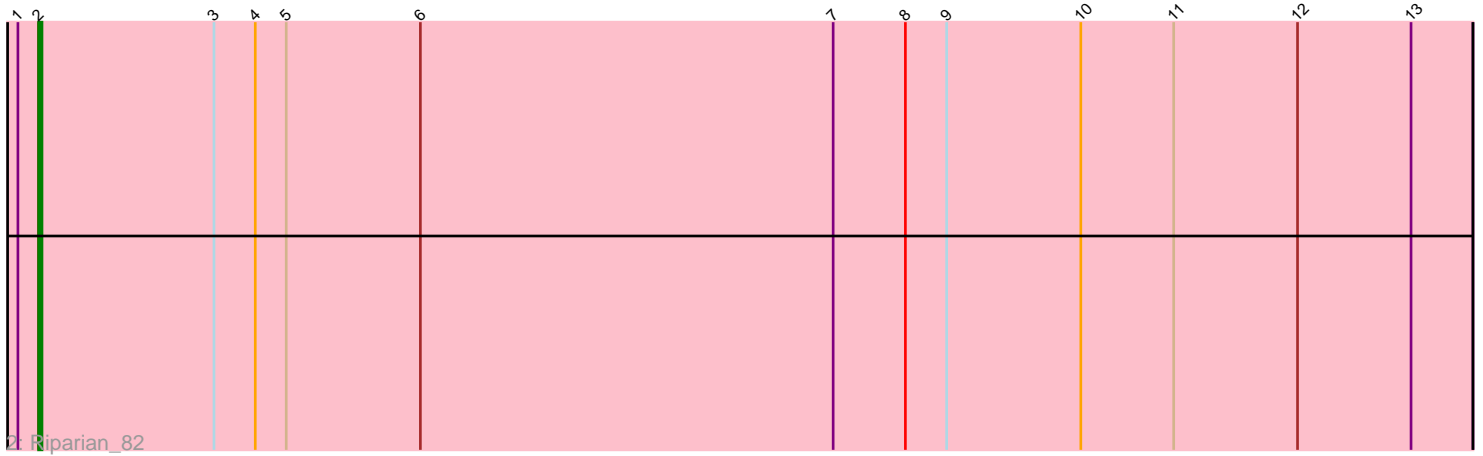
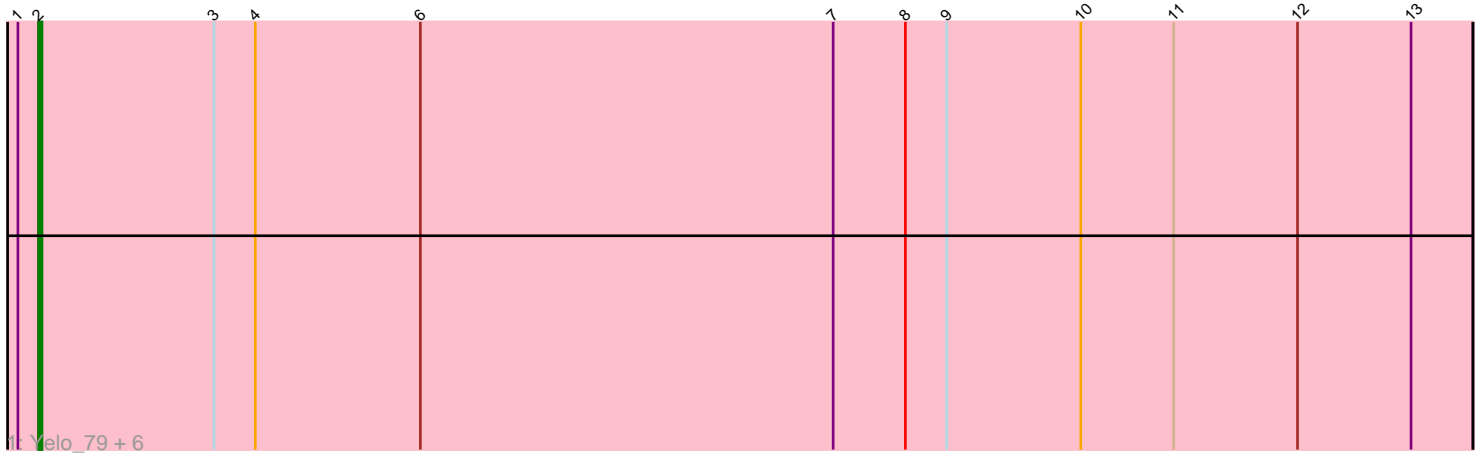


Pham 87774



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 87774 Report

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

Pham number 87774 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Yelo_79, Send513_80, Papyrus_79, MontyDev_80, Weiss13_80, Zenon_82, Rope_80
- Track 2 : Riparian_82
- Track 3 : Candle_78

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

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

Genes that call this "Most Annotated" start:

- Candle_78, MontyDev_80, Papyrus_79, Riparian_82, Rope_80, Send513_80, Weiss13_80, Yelo_79, Zenon_82,

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 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Candle_78 (R), MontyDev_80 (R), Papyrus_79 (R), Riparian_82 (R), Rope_80 (R), Send513_80 (R), Weiss13_80 (R), Yelo_79 (R), Zenon_82 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:

•Start number 2 was manually annotated 7 times for cluster R.

Gene Information:

Gene: Candle_78 Start: 61838, Stop: 62254, Start Num: 2

Candidate Starts for Candle_78:

(1, 61832), (Start: 2 @61838 has 7 MA's), (3, 61889), (4, 61901), (5, 61910), (6, 61949), (7, 62069), (8, 62090), (10, 62141), (11, 62168), (12, 62204), (13, 62237),

Gene: MontyDev_80 Start: 61481, Stop: 61897, Start Num: 2

Candidate Starts for MontyDev_80:

(1, 61475), (Start: 2 @61481 has 7 MA's), (3, 61532), (4, 61544), (6, 61592), (7, 61712), (8, 61733), (9, 61745), (10, 61784), (11, 61811), (12, 61847), (13, 61880),

Gene: Papyrus_79 Start: 60499, Stop: 60915, Start Num: 2

Candidate Starts for Papyrus_79:

(1, 60493), (Start: 2 @60499 has 7 MA's), (3, 60550), (4, 60562), (6, 60610), (7, 60730), (8, 60751), (9, 60763), (10, 60802), (11, 60829), (12, 60865), (13, 60898),

Gene: Riparian_82 Start: 61286, Stop: 61702, Start Num: 2

Candidate Starts for Riparian_82:

(1, 61280), (Start: 2 @61286 has 7 MA's), (3, 61337), (4, 61349), (5, 61358), (6, 61397), (7, 61517), (8, 61538), (9, 61550), (10, 61589), (11, 61616), (12, 61652), (13, 61685),

Gene: Rope_80 Start: 61445, Stop: 61861, Start Num: 2

Candidate Starts for Rope_80:

(1, 61439), (Start: 2 @61445 has 7 MA's), (3, 61496), (4, 61508), (6, 61556), (7, 61676), (8, 61697), (9, 61709), (10, 61748), (11, 61775), (12, 61811), (13, 61844),

Gene: Send513_80 Start: 61822, Stop: 62238, Start Num: 2

Candidate Starts for Send513_80:

(1, 61816), (Start: 2 @61822 has 7 MA's), (3, 61873), (4, 61885), (6, 61933), (7, 62053), (8, 62074), (9, 62086), (10, 62125), (11, 62152), (12, 62188), (13, 62221),

Gene: Weiss13_80 Start: 61523, Stop: 61939, Start Num: 2

Candidate Starts for Weiss13_80:

(1, 61517), (Start: 2 @61523 has 7 MA's), (3, 61574), (4, 61586), (6, 61634), (7, 61754), (8, 61775), (9, 61787), (10, 61826), (11, 61853), (12, 61889), (13, 61922),

Gene: Yelo_79 Start: 61878, Stop: 62294, Start Num: 2

Candidate Starts for Yelo_79:

(1, 61872), (Start: 2 @61878 has 7 MA's), (3, 61929), (4, 61941), (6, 61989), (7, 62109), (8, 62130), (9, 62142), (10, 62181), (11, 62208), (12, 62244), (13, 62277),

Gene: Zenon_82 Start: 61849, Stop: 62265, Start Num: 2

Candidate Starts for Zenon_82:

(1, 61843), (Start: 2 @61849 has 7 MA's), (3, 61900), (4, 61912), (6, 61960), (7, 62080), (8, 62101), (9, 62113), (10, 62152), (11, 62179), (12, 62215), (13, 62248),