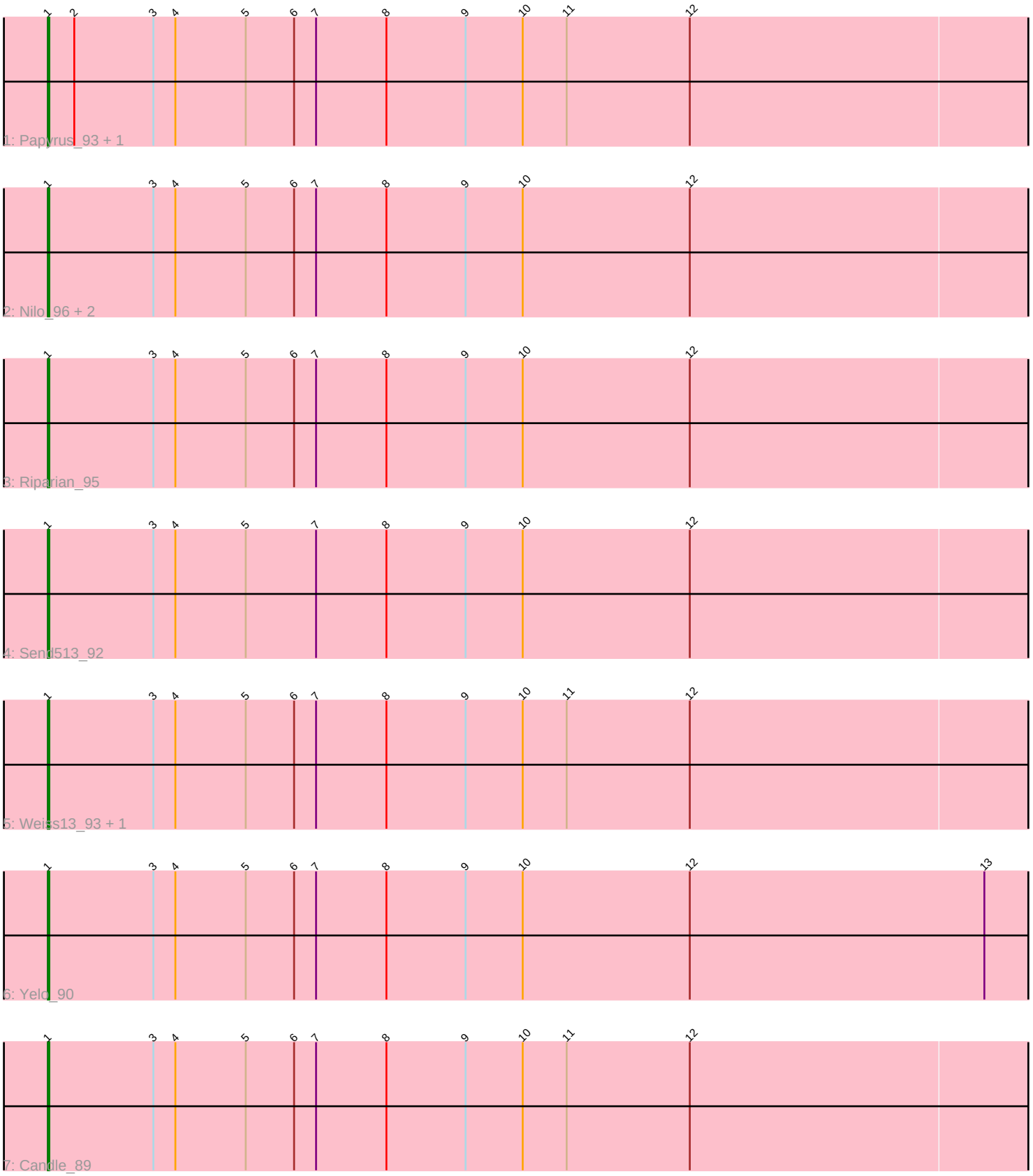
Pham 348237


1: Papyrus_93 + 1
2: Nilo_96 + 2
3: Riparian_95
4: Send513_92
5: Weiss13_93 + 1
6: Yelo_90
7: Candle_89

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 348237 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348237 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Papyrus_93, MontyDev_95
• Track 2 : Nilo_96, Gimesa_93, Zenon_95
• Track 3 : Riparian_95
• Track 4 : Send513_92
• Track 5 : Weiss13_93, Rope_92
• Track 6 : Yelo_90
• Track 7 : Candle_89

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_89, Gimesa_93, MontyDev_95, Nilo_96, Papyrus_93, Riparian_95, Rope_92, Send513_92, Weiss13_93, Yelo_90, Zenon_95,

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 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Candle_89 (R), Gimesa_93 (R), MontyDev_95 (R), Nilo_96 (R), Papyrus_93 (R), Riparian_95 (R), Rope_92 (R), Send513_92 (R), Weiss13_93 (R), Yelo_90 (R), Zenon_95 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:
•Start number 1 was manually annotated 10 times for cluster R.

Gene Information:

Gene: Candle_89 Start: 69025, Stop: 69693, Start Num: 1
Candidate Starts for Candle_89:
(Start: 1 @69025 has 10 MA's), (3, 69097), (4, 69112), (5, 69160), (6, 69193), (7, 69208), (8, 69256), (9, 69310), (10, 69349), (11, 69379), (12, 69463),

Gene: Gimesa_93 Start: 69200, Stop: 69868, Start Num: 1
Candidate Starts for Gimesa_93:
(Start: 1 @69200 has 10 MA's), (3, 69272), (4, 69287), (5, 69335), (6, 69368), (7, 69383), (8, 69431), (9, 69485), (10, 69524), (12, 69638),

Gene: MontyDev_95 Start: 68890, Stop: 69558, Start Num: 1
Candidate Starts for MontyDev_95:
(Start: 1 @68890 has 10 MA's), (2, 68908), (3, 68962), (4, 68977), (5, 69025), (6, 69058), (7, 69073), (8, 69121), (9, 69175), (10, 69214), (11, 69244), (12, 69328),

Gene: Nilo_96 Start: 69390, Stop: 70058, Start Num: 1
Candidate Starts for Nilo_96:
(Start: 1 @69390 has 10 MA's), (3, 69462), (4, 69477), (5, 69525), (6, 69558), (7, 69573), (8, 69621), (9, 69675), (10, 69714), (12, 69828),

Gene: Papyrus_93 Start: 68323, Stop: 68991, Start Num: 1
Candidate Starts for Papyrus_93:
(Start: 1 @68323 has 10 MA's), (2, 68341), (3, 68395), (4, 68410), (5, 68458), (6, 68491), (7, 68506), (8, 68554), (9, 68608), (10, 68647), (11, 68677), (12, 68761),

Gene: Riparian_95 Start: 68835, Stop: 69503, Start Num: 1
Candidate Starts for Riparian_95:
(Start: 1 @68835 has 10 MA's), (3, 68907), (4, 68922), (5, 68970), (6, 69003), (7, 69018), (8, 69066), (9, 69120), (10, 69159), (12, 69273),

Gene: Rope_92 Start: 68642, Stop: 69310, Start Num: 1
Candidate Starts for Rope_92:
(Start: 1 @68642 has 10 MA's), (3, 68714), (4, 68729), (5, 68777), (6, 68810), (7, 68825), (8, 68873), (9, 68927), (10, 68966), (11, 68996), (12, 69080),

Gene: Send513_92 Start: 69180, Stop: 69848, Start Num: 1
Candidate Starts for Send513_92:
(Start: 1 @69180 has 10 MA's), (3, 69252), (4, 69267), (5, 69315), (7, 69363), (8, 69411), (9, 69465), (10, 69504), (12, 69618),

Gene: Weiss13_93 Start: 69072, Stop: 69740, Start Num: 1
Candidate Starts for Weiss13_93:

(Start: 1 @69072 has 10 MA's), (3, 69144), (4, 69159), (5, 69207), (6, 69240), (7, 69255), (8, 69303), (9, 69357), (10, 69396), (11, 69426), (12, 69510),

Gene: Yelo_90 Start: 69071, Stop: 69751, Start Num: 1
Candidate Starts for Yelo_90:
(Start: 1 @69071 has 10 MA's), (3, 69143), (4, 69158), (5, 69206), (6, 69239), (7, 69254), (8, 69302), (9, 69356), (10, 69395), (12, 69509), (13, 69710),

Gene: Zenon_95 Start: 69366, Stop: 70034, Start Num: 1
Candidate Starts for Zenon_95:
(Start: 1 @69366 has 10 MA's), (3, 69438), (4, 69453), (5, 69501), (6, 69534), (7, 69549), (8, 69597), (9, 69651), (10, 69690), (12, 69804),