



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 87644 Report

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

Pham number 87644 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Papyrus_84, Yelo_84, Zenon_87
- Track 2 : Riparian_87, Weiss13_85, Nilo_88
- Track 3 : Send513_85, Candle_83
- Track 4 : MontyDev_85, Rope_85

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

Genes that call this "Most Annotated" start:

- Candle_83, MontyDev_85, Nilo_88, Papyrus_84, Riparian_87, Rope_85, Send513_85, Weiss13_85, Yelo_84, Zenon_87,

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 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_83 (R), MontyDev_85 (R), Nilo_88 (R), Papyrus_84 (R), Riparian_87 (R), Rope_85 (R), Send513_85 (R), Weiss13_85 (R), Yelo_84 (R), Zenon_87 (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 8 times for cluster R.

Gene Information:

Gene: Candle_83 Start: 63563, Stop: 63847, Start Num: 1

Candidate Starts for Candle_83:

(Start: 1 @63563 has 8 MA's), (3, 63599), (4, 63704), (5, 63737), (7, 63758), (8, 63788), (9, 63809),

Gene: MontyDev_85 Start: 63206, Stop: 63490, Start Num: 1

Candidate Starts for MontyDev_85:

(Start: 1 @63206 has 8 MA's), (2, 63233), (3, 63242), (4, 63347), (5, 63380), (6, 63383), (8, 63431), (9, 63452),

Gene: Nilo_88 Start: 63565, Stop: 63849, Start Num: 1

Candidate Starts for Nilo_88:

(Start: 1 @63565 has 8 MA's), (3, 63601), (4, 63706), (5, 63739), (6, 63742), (8, 63790), (9, 63811),

Gene: Papyrus_84 Start: 62224, Stop: 62508, Start Num: 1

Candidate Starts for Papyrus_84:

(Start: 1 @62224 has 8 MA's), (3, 62260), (4, 62365), (5, 62398), (8, 62449), (9, 62470),

Gene: Riparian_87 Start: 63011, Stop: 63295, Start Num: 1

Candidate Starts for Riparian_87:

(Start: 1 @63011 has 8 MA's), (3, 63047), (4, 63152), (5, 63185), (6, 63188), (8, 63236), (9, 63257),

Gene: Rope_85 Start: 63170, Stop: 63454, Start Num: 1

Candidate Starts for Rope_85:

(Start: 1 @63170 has 8 MA's), (2, 63197), (3, 63206), (4, 63311), (5, 63344), (6, 63347), (8, 63395), (9, 63416),

Gene: Send513_85 Start: 63547, Stop: 63831, Start Num: 1

Candidate Starts for Send513_85:

(Start: 1 @63547 has 8 MA's), (3, 63583), (4, 63688), (5, 63721), (7, 63742), (8, 63772), (9, 63793),

Gene: Weiss13_85 Start: 63248, Stop: 63532, Start Num: 1

Candidate Starts for Weiss13_85:

(Start: 1 @63248 has 8 MA's), (3, 63284), (4, 63389), (5, 63422), (6, 63425), (8, 63473), (9, 63494),

Gene: Yelo_84 Start: 63603, Stop: 63887, Start Num: 1

Candidate Starts for Yelo_84:

(Start: 1 @63603 has 8 MA's), (3, 63639), (4, 63744), (5, 63777), (8, 63828), (9, 63849),

Gene: Zenon_87 Start: 63574, Stop: 63858, Start Num: 1

Candidate Starts for Zenon_87:

(Start: 1 @63574 has 8 MA's), (3, 63610), (4, 63715), (5, 63748), (8, 63799), (9, 63820),