



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 87557 Report

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

Pham number 87557 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Rita1961_13, Gervas_13, Obutu_13, Daisy_13, RomaT_13
- Track 2 : Compostia_14
- Track 3 : Marley1013_13, Morty007_13
- Track 4 : Yahalom_13
- Track 5 : Chandler_13

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

The start number called the most often in the published annotations is 4, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chandler_13, Compostia_14, Daisy_13, Gervas_13, Marley1013_13, Morty007_13, Obutu_13, Rita1961_13, RomaT_13, Yahalom_13,

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 4:

- Found in 10 of 10 (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: Chandler_13 (B3), Compostia_14 (B3), Daisy_13 (B3), Gervas_13 (B3), Marley1013_13 (B3), Morty007_13 (B3), Obutu_13 (B3), Rita1961_13 (B3), RomaT_13 (B3), Yahalom_13 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 4 was manually annotated 10 times for cluster B3.

Gene Information:

Gene: Chandler_13 Start: 11496, Stop: 11627, Start Num: 4

Candidate Starts for Chandler_13:

(Start: 4 @11496 has 10 MA's), (5, 11571),

Gene: Compostia_14 Start: 11172, Stop: 11303, Start Num: 4

Candidate Starts for Compostia_14:

(Start: 4 @11172 has 10 MA's), (5, 11247),

Gene: Daisy_13 Start: 10736, Stop: 10867, Start Num: 4

Candidate Starts for Daisy_13:

(Start: 4 @10736 has 10 MA's), (5, 10811),

Gene: Gervas_13 Start: 10722, Stop: 10853, Start Num: 4

Candidate Starts for Gervas_13:

(Start: 4 @10722 has 10 MA's), (5, 10797),

Gene: Marley1013_13 Start: 11523, Stop: 11654, Start Num: 4

Candidate Starts for Marley1013_13:

(1, 10956), (2, 10998), (3, 11022), (Start: 4 @11523 has 10 MA's), (5, 11598),

Gene: Morty007_13 Start: 11523, Stop: 11654, Start Num: 4

Candidate Starts for Morty007_13:

(1, 10956), (2, 10998), (3, 11022), (Start: 4 @11523 has 10 MA's), (5, 11598),

Gene: Obutu_13 Start: 10734, Stop: 10865, Start Num: 4

Candidate Starts for Obutu_13:

(Start: 4 @10734 has 10 MA's), (5, 10809),

Gene: Rita1961_13 Start: 10734, Stop: 10865, Start Num: 4

Candidate Starts for Rita1961_13:

(Start: 4 @10734 has 10 MA's), (5, 10809),

Gene: RomaT_13 Start: 11496, Stop: 11627, Start Num: 4

Candidate Starts for RomaT_13:

(Start: 4 @11496 has 10 MA's), (5, 11571),

Gene: Yahalom_13 Start: 10734, Stop: 10865, Start Num: 4

Candidate Starts for Yahalom_13:

(1, 10167), (3, 10233), (Start: 4 @10734 has 10 MA's), (5, 10809),