



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 88393 Report

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

Pham number 88393 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Obutu_69, Briakila_67, Marley1013_68, Morty007_66, Neos5_67, Phayeta_70, SlippinJimmy_70
- Track 2 : Pipefish_70

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:

- Briakila_67, Marley1013_68, Morty007_66, Neos5_67, Obutu_69, Phayeta_70, Pipefish_70, SlippinJimmy_70,

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 8 of 8 (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: Briakila_67 (B3), Marley1013_68 (B3), Morty007_66 (B3), Neos5_67 (B3), Obutu_69 (B3), Phayeta_70 (B3), Pipefish_70 (B3), SlippinJimmy_70 (B3),

Summary by clusters:

There is one cluster represented in this pham: B3

Info for manual annotations of cluster B3:

- Start number 2 was manually annotated 7 times for cluster B3.

Gene Information:

Gene: Briakila_67 Start: 57099, Stop: 57476, Start Num: 2

Candidate Starts for Briakila_67:

(1, 57090), (Start: 2 @57099 has 7 MA's), (5, 57207), (6, 57210), (7, 57273), (8, 57297), (10, 57312), (11, 57327), (12, 57396), (13, 57408), (14, 57432), (15, 57459),

Gene: Marley1013_68 Start: 57808, Stop: 58185, Start Num: 2

Candidate Starts for Marley1013_68:

(1, 57799), (Start: 2 @57808 has 7 MA's), (5, 57916), (6, 57919), (7, 57982), (8, 58006), (10, 58021), (11, 58036), (12, 58105), (13, 58117), (14, 58141), (15, 58168),

Gene: Morty007_66 Start: 57808, Stop: 58185, Start Num: 2

Candidate Starts for Morty007_66:

(1, 57799), (Start: 2 @57808 has 7 MA's), (5, 57916), (6, 57919), (7, 57982), (8, 58006), (10, 58021), (11, 58036), (12, 58105), (13, 58117), (14, 58141), (15, 58168),

Gene: Neos5_67 Start: 57270, Stop: 57647, Start Num: 2

Candidate Starts for Neos5_67:

(1, 57261), (Start: 2 @57270 has 7 MA's), (5, 57378), (6, 57381), (7, 57444), (8, 57468), (10, 57483), (11, 57498), (12, 57567), (13, 57579), (14, 57603), (15, 57630),

Gene: Obutu_69 Start: 57490, Stop: 57867, Start Num: 2

Candidate Starts for Obutu_69:

(1, 57481), (Start: 2 @57490 has 7 MA's), (5, 57598), (6, 57601), (7, 57664), (8, 57688), (10, 57703), (11, 57718), (12, 57787), (13, 57799), (14, 57823), (15, 57850),

Gene: Phayeta_70 Start: 57394, Stop: 57771, Start Num: 2

Candidate Starts for Phayeta_70:

(1, 57385), (Start: 2 @57394 has 7 MA's), (5, 57502), (6, 57505), (7, 57568), (8, 57592), (10, 57607), (11, 57622), (12, 57691), (13, 57703), (14, 57727), (15, 57754),

Gene: Pipefish_70 Start: 58042, Stop: 58410, Start Num: 2

Candidate Starts for Pipefish_70:

(Start: 2 @58042 has 7 MA's), (3, 58102), (4, 58114), (8, 58240), (9, 58252), (10, 58255), (12, 58339), (13, 58351), (14, 58375),

Gene: SlippinJimmy_70 Start: 58291, Stop: 58668, Start Num: 2

Candidate Starts for SlippinJimmy_70:

(1, 58282), (Start: 2 @58291 has 7 MA's), (5, 58399), (6, 58402), (7, 58465), (8, 58489), (10, 58504), (11, 58519), (12, 58588), (13, 58600), (14, 58624), (15, 58651),