



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 88514 Report

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

Pham number 88514 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Zakhe101_76
- Track 2 : Dylan_77
- Track 3 : Ashwin_77, Firecracker_78, Smooch_79, Corndog_79
- Track 4 : Wildflower_75

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashwin_77, Corndog_79, Dylan_77, Firecracker_78, Smooch_79,

Genes that have the "Most Annotated" start but do not call it:

- Wildflower_75, Zakhe101_76,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Ashwin_77 (O), Corndog_79 (O), Dylan_77 (O), Firecracker_78 (O), Smooch_79 (O),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Wildflower_75 (O), Zakhe101_76 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

- Start number 2 was manually annotated 4 times for cluster O.
- Start number 3 was manually annotated 1 time for cluster O.

Gene Information:

Gene: Ashwin_77 Start: 48359, Stop: 48105, Start Num: 2

Candidate Starts for Ashwin_77:

(1, 48395), (Start: 2 @48359 has 4 MA's), (Start: 3 @48335 has 1 MA's), (4, 48305), (5, 48263), (6, 48236), (7, 48230),

Gene: Corndog_79 Start: 48879, Stop: 48625, Start Num: 2

Candidate Starts for Corndog_79:

(1, 48915), (Start: 2 @48879 has 4 MA's), (Start: 3 @48855 has 1 MA's), (4, 48825), (5, 48783), (6, 48756), (7, 48750),

Gene: Dylan_77 Start: 48075, Stop: 47821, Start Num: 2

Candidate Starts for Dylan_77:

(1, 48111), (Start: 2 @48075 has 4 MA's), (Start: 3 @48051 has 1 MA's), (4, 48021), (5, 47979), (6, 47952), (7, 47946),

Gene: Firecracker_78 Start: 48233, Stop: 47979, Start Num: 2

Candidate Starts for Firecracker_78:

(1, 48269), (Start: 2 @48233 has 4 MA's), (Start: 3 @48209 has 1 MA's), (4, 48179), (5, 48137), (6, 48110), (7, 48104),

Gene: Smooch_79 Start: 49574, Stop: 49320, Start Num: 2

Candidate Starts for Smooch_79:

(1, 49610), (Start: 2 @49574 has 4 MA's), (Start: 3 @49550 has 1 MA's), (4, 49520), (5, 49478), (6, 49451), (7, 49445),

Gene: Wildflower_75 Start: 47641, Stop: 47411, Start Num: 3

Candidate Starts for Wildflower_75:

(1, 47701), (Start: 2 @47665 has 4 MA's), (Start: 3 @47641 has 1 MA's), (4, 47611), (5, 47569), (6, 47542), (7, 47536),

Gene: Zakhe101_76 Start: 48055, Stop: 47825, Start Num: 3

Candidate Starts for Zakhe101_76:

(1, 48115), (Start: 2 @48079 has 4 MA's), (Start: 3 @48055 has 1 MA's), (4, 48025), (5, 47983), (6, 47956), (7, 47950),