



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 216860 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216860 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Phabuloso_92, Kenna_80, Lutum_86, Getalong_88, BotCity_88, BENtherdunthat_85
- Track 2 : Spooky_87
- Track 3 : GAL1_66

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BENtherdunthat_85, BotCity_88, Getalong_88, Kenna_80, Lutum_86, Phabuloso_92, Spooky_87,

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

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

- GAL1_66,

Summary by start number:

Start 4:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BENtherdunthat_85 (DN1), BotCity_88 (DN), Getalong_88 (DN1), Kenna_80 (DN1), Lutum_86 (DN1), Phabuloso_92 (DN1), Spooky_87 (DN2),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: GAL1_66 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: DN, singleton, DN1, DN2,

Info for manual annotations of cluster DN1:

- Start number 4 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 4 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: BENtherdunthat_85 Start: 47138, Stop: 47569, Start Num: 4

Candidate Starts for BENtherdunthat_85:

(Start: 4 @47138 has 6 MA's), (7, 47462),

Gene: BotCity_88 Start: 48667, Stop: 49098, Start Num: 4

Candidate Starts for BotCity_88:

(Start: 4 @48667 has 6 MA's), (7, 48991),

Gene: GAL1_66 Start: 42130, Stop: 42576, Start Num: 5

Candidate Starts for GAL1_66:

(5, 42130), (9, 42520), (10, 42529), (11, 42568),

Gene: Getalong_88 Start: 49593, Stop: 50024, Start Num: 4

Candidate Starts for Getalong_88:

(Start: 4 @49593 has 6 MA's), (7, 49917),

Gene: Kenna_80 Start: 46411, Stop: 46842, Start Num: 4

Candidate Starts for Kenna_80:

(Start: 4 @46411 has 6 MA's), (7, 46735),

Gene: Lutum_86 Start: 47573, Stop: 48004, Start Num: 4

Candidate Starts for Lutum_86:

(Start: 4 @47573 has 6 MA's), (7, 47897),

Gene: Phabuloso_92 Start: 49065, Stop: 49496, Start Num: 4

Candidate Starts for Phabuloso_92:

(Start: 4 @49065 has 6 MA's), (7, 49389),

Gene: Spooky_87 Start: 48761, Stop: 49198, Start Num: 4

Candidate Starts for Spooky_87:

(1, 48704), (2, 48713), (3, 48734), (Start: 4 @48761 has 6 MA's), (6, 48926), (7, 49085), (8, 49121), (9, 49142),