



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 200842 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200842 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Trapezoid_15
- Track 2 : Mimi16_15, Prophecy_15, Ellison17_15, Grotle_15, Momos_15
- Track 3 : Squall_15, Fairywren_15, Brave_15, Penne_15

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ellison17_15, Grotle_15, Mimi16_15, Momos_15, Prophecy_15, Trapezoid_15,

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

-

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

- Brave_15, Fairywren_15, Penne_15, Squall_15,

Summary by start number:

Start 1:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 4 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brave_15 (JB), Fairywren_15 (JB), Penne_15 (JB), Squall_15 (JB),

Start 2:

- Found in 6 of 10 (60.0%) of genes in pham
- Manual Annotations of this start: 6 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ellison17_15 (JB), Grotle_15 (JB), Mimi16_15 (JB), Momos_15 (JB), Prophecy_15 (JB), Trapezoid_15 (JB),

Summary by clusters:

There is one cluster represented in this pham: JB

Info for manual annotations of cluster JB:

- Start number 1 was manually annotated 4 times for cluster JB.
- Start number 2 was manually annotated 6 times for cluster JB.

Gene Information:

Gene: Brave_15 Start: 14515, Stop: 14778, Start Num: 1

Candidate Starts for Brave_15:

(Start: 1 @14515 has 4 MA's), (4, 14641), (7, 14746),

Gene: Ellison17_15 Start: 14937, Stop: 15194, Start Num: 2

Candidate Starts for Ellison17_15:

(Start: 2 @14937 has 6 MA's), (5, 15075), (6, 15132),

Gene: Fairywren_15 Start: 14481, Stop: 14744, Start Num: 1

Candidate Starts for Fairywren_15:

(Start: 1 @14481 has 4 MA's), (4, 14607), (7, 14712),

Gene: Grotle_15 Start: 14896, Stop: 15153, Start Num: 2

Candidate Starts for Grotle_15:

(Start: 2 @14896 has 6 MA's), (5, 15034), (6, 15091),

Gene: Mimi16_15 Start: 14947, Stop: 15204, Start Num: 2

Candidate Starts for Mimi16_15:

(Start: 2 @14947 has 6 MA's), (5, 15085), (6, 15142),

Gene: Momos_15 Start: 14937, Stop: 15194, Start Num: 2

Candidate Starts for Momos_15:

(Start: 2 @14937 has 6 MA's), (5, 15075), (6, 15132),

Gene: Penne_15 Start: 14518, Stop: 14781, Start Num: 1

Candidate Starts for Penne_15:

(Start: 1 @14518 has 4 MA's), (4, 14644), (7, 14749),

Gene: Prophecy_15 Start: 14947, Stop: 15204, Start Num: 2

Candidate Starts for Prophecy_15:

(Start: 2 @14947 has 6 MA's), (5, 15085), (6, 15142),

Gene: Squall_15 Start: 14485, Stop: 14748, Start Num: 1

Candidate Starts for Squall_15:

(Start: 1 @14485 has 4 MA's), (4, 14611), (7, 14716),

Gene: Trapezoid_15 Start: 14374, Stop: 14634, Start Num: 2

Candidate Starts for Trapezoid_15:

(Start: 2 @14374 has 6 MA's), (3, 14488), (7, 14602),