



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 134265 Report

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

Pham number 134265 has 9 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Giantsbane_52
- Track 2 : Uzumaki_1
- Track 3 : Lewando_1
- Track 4 : BarbieDoll_1, Renaldo_1
- Track 5 : Zeina_1
- Track 6 : Jazzy4900_2, Sunny4976_2
- Track 7 : Arzan_2

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

Genes that call this "Most Annotated" start:

- Arzan_2, Giantsbane_52, Uzumaki_1,

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

- BarbieDoll_1, Jazzy4900_2, Lewando_1, Renaldo_1, Sunny4976_2, Zeina_1,

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

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Summary by start number:

Start 2:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Lewando_1 (AU6), Zeina_1 (AU6),

Start 3:

- Found in 3 of 9 (33.3%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present

- Phage (with cluster) where this start called: BarbieDoll_1 (AU6), Renaldo_1 (AU6),

Start 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Arzan_2 (FI), Giantsbane_52 (AU2), Uzumaki_1 (AU6),

Start 6:

- Found in 8 of 9 (88.9%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Jazzy4900_2 (FI), Sunny4976_2 (FI),

Summary by clusters:

There are 3 clusters represented in this pham: FI, AU2, AU6,

Info for manual annotations of cluster AU2:

- Start number 4 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU6:

- Start number 2 was manually annotated 2 times for cluster AU6.
- Start number 4 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: Arzan_2 Start: 879, Stop: 1118, Start Num: 4

Candidate Starts for Arzan_2:

(Start: 4 @879 has 2 MA's), (5, 888), (6, 906), (9, 1011), (10, 1053),

Gene: BarbieDoll_1 Start: 334, Stop: 627, Start Num: 3

Candidate Starts for BarbieDoll_1:

(1, 277), (Start: 2 @283 has 2 MA's), (3, 334), (Start: 4 @385 has 2 MA's), (5, 394), (6, 412), (12, 604),

Gene: Giantsbane_52 Start: 34712, Stop: 34954, Start Num: 4

Candidate Starts for Giantsbane_52:

(Start: 4 @34712 has 2 MA's), (5, 34721), (6, 34739), (8, 34799), (12, 34931),

Gene: Jazzy4900_2 Start: 932, Stop: 1144, Start Num: 6

Candidate Starts for Jazzy4900_2:

(Start: 4 @905 has 2 MA's), (5, 914), (6, 932), (7, 959), (9, 1037),

Gene: Lewando_1 Start: 283, Stop: 627, Start Num: 2

Candidate Starts for Lewando_1:

(1, 277), (Start: 2 @283 has 2 MA's), (3, 334), (Start: 4 @385 has 2 MA's), (5, 394), (6, 412), (12, 604),

Gene: Renaldo_1 Start: 334, Stop: 627, Start Num: 3

Candidate Starts for Renaldo_1:

(1, 277), (Start: 2 @283 has 2 MA's), (3, 334), (Start: 4 @385 has 2 MA's), (5, 394), (6, 412), (12, 604),

Gene: Sunny4976_2 Start: 932, Stop: 1144, Start Num: 6

Candidate Starts for Sunny4976_2:

(Start: 4 @905 has 2 MA's), (5, 914), (6, 932), (7, 959), (9, 1037),

Gene: Uzumaki_1 Start: 385, Stop: 624, Start Num: 4

Candidate Starts for Uzumaki_1:

(1, 277), (Start: 2 @283 has 2 MA's), (Start: 4 @385 has 2 MA's), (9, 517), (12, 601),

Gene: Zeina_1 Start: 283, Stop: 624, Start Num: 2

Candidate Starts for Zeina_1:

(1, 277), (Start: 2 @283 has 2 MA's), (Start: 4 @385 has 2 MA's), (6, 412), (9, 517), (11, 571),