



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 10257 Report

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

Pham number 10257 has 11 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Lewando_75, Renaldo_79
- Track 2 : Argan_67
- Track 3 : GantcherGoblin_69, Uzumaki_68
- Track 4 : Zeina_72
- Track 5 : BarbieDoll_75
- Track 6 : Leathea_71
- Track 7 : Jazzy4900_61, Sunny4976_60
- Track 8 : Arzan_62

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 7, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_67, Arzan_62, BarbieDoll_75, Jazzy4900_61, Lewando_75, Renaldo_79, Sunny4976_60, Zeina_72,

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

- Leathea_71,

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

- GantcherGoblin_69, Uzumaki_68,

Summary by start number:

Start 5:

- Found in 6 of 11 (54.5%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Leathea_71 (AU6),

Start 6:

- Found in 2 of 11 (18.2%) of genes in pham

- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GantcherGoblin_69 (AU6), Uzumaki_68 (AU6),

Start 7:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Argan_67 (AU6), Arzan_62 (FI), BarbieDoll_75 (AU6), Jazzy4900_61 (FI), Lewando_75 (AU6), Renaldo_79 (AU6), Sunny4976_60 (FI), Zeina_72 (AU6),

Summary by clusters:

There are 2 clusters represented in this pham: FI, AU6,

Info for manual annotations of cluster AU6:

- Start number 6 was manually annotated 2 times for cluster AU6.
- Start number 7 was manually annotated 3 times for cluster AU6.

Gene Information:

Gene: Argan_67 Start: 43582, Stop: 43695, Start Num: 7

Candidate Starts for Argan_67:

(2, 43543), (3, 43552), (Start: 7 @43582 has 3 MA's),

Gene: Arzan_62 Start: 42288, Stop: 42395, Start Num: 7

Candidate Starts for Arzan_62:

(Start: 7 @42288 has 3 MA's),

Gene: BarbieDoll_75 Start: 45735, Stop: 45872, Start Num: 7

Candidate Starts for BarbieDoll_75:

(1, 45666), (5, 45717), (Start: 7 @45735 has 3 MA's), (13, 45867),

Gene: GantcherGoblin_69 Start: 44078, Stop: 44191, Start Num: 6

Candidate Starts for GantcherGoblin_69:

(5, 44060), (Start: 6 @44078 has 2 MA's), (9, 44117), (10, 44129),

Gene: Jazzy4900_61 Start: 43067, Stop: 43174, Start Num: 7

Candidate Starts for Jazzy4900_61:

(Start: 7 @43067 has 3 MA's), (11, 43118),

Gene: Leathea_71 Start: 43968, Stop: 44099, Start Num: 5

Candidate Starts for Leathea_71:

(5, 43968), (Start: 7 @43989 has 3 MA's), (12, 44055),

Gene: Lewando_75 Start: 45952, Stop: 46089, Start Num: 7

Candidate Starts for Lewando_75:

(1, 45883), (5, 45934), (Start: 7 @45952 has 3 MA's), (13, 46084),

Gene: Renaldo_79 Start: 46173, Stop: 46310, Start Num: 7
Candidate Starts for Renaldo_79:
(1, 46104), (5, 46155), (Start: 7 @46173 has 3 MA's), (13, 46305),

Gene: Sunny4976_60 Start: 43067, Stop: 43174, Start Num: 7
Candidate Starts for Sunny4976_60:
(Start: 7 @43067 has 3 MA's), (11, 43118),

Gene: Uzumaki_68 Start: 44179, Stop: 44292, Start Num: 6
Candidate Starts for Uzumaki_68:
(5, 44161), (Start: 6 @44179 has 2 MA's), (9, 44218), (10, 44230),

Gene: Zeina_72 Start: 44436, Stop: 44549, Start Num: 7
Candidate Starts for Zeina_72:
(3, 44406), (4, 44412), (Start: 7 @44436 has 3 MA's), (8, 44469),