



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 88143 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88143 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Zeina_30, GantcherGoblin_29, Uzumaki_30, Argan_29
- Track 2 : Leatheia_30
- Track 3 : Lewando_33
- Track 4 : Arzan_26
- Track 5 : Sunny4976_27, Jazzy4900_28
- Track 6 : Paella_44, Qui_44

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_29, GantcherGoblin_29, Leatheia_30, Lewando_33, Uzumaki_30, Zeina_30,

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:

- Arzan_26, Jazzy4900_28, Paella_44, Qui_44, Sunny4976_27,

Summary by start number:

Start 1:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_26 (FI), Jazzy4900_28 (FI), Paella_44 (FK), Qui_44 (FK), Sunny4976_27 (FI),

Start 2:

- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Argan_29 (AU6), GantcherGoblin_29 (AU6), Leathea_30 (AU6), Lewando_33 (AU6), Uzumaki_30 (AU6), Zeina_30 (AU6),

Summary by clusters:

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

Info for manual annotations of cluster AU6:

- Start number 2 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 1 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Argan_29 Start: 25836, Stop: 26243, Start Num: 2

Candidate Starts for Argan_29:

(Start: 2 @25836 has 5 MA's), (5, 25941), (7, 26025), (8, 26073), (9, 26100), (10, 26130), (11, 26160),

Gene: Arzan_26 Start: 24571, Stop: 24981, Start Num: 1

Candidate Starts for Arzan_26:

(Start: 1 @24571 has 2 MA's), (7, 24763), (12, 24904),

Gene: GantcherGoblin_29 Start: 25875, Stop: 26282, Start Num: 2

Candidate Starts for GantcherGoblin_29:

(Start: 2 @25875 has 5 MA's), (5, 25980), (7, 26064), (8, 26112), (9, 26139), (10, 26169), (11, 26199),

Gene: Jazzy4900_28 Start: 25824, Stop: 26234, Start Num: 1

Candidate Starts for Jazzy4900_28:

(Start: 1 @25824 has 2 MA's), (3, 25866), (10, 26121), (12, 26157), (13, 26160),

Gene: Leathea_30 Start: 25769, Stop: 26176, Start Num: 2

Candidate Starts for Leathea_30:

(Start: 2 @25769 has 5 MA's), (8, 26006), (9, 26033), (10, 26063), (12, 26099),

Gene: Lewando_33 Start: 27799, Stop: 28206, Start Num: 2

Candidate Starts for Lewando_33:

(Start: 2 @27799 has 5 MA's), (3, 27838), (4, 27880), (5, 27904), (7, 27988), (9, 28063), (10, 28093),

Gene: Paella_44 Start: 36040, Stop: 36450, Start Num: 1

Candidate Starts for Paella_44:

(Start: 1 @36040 has 2 MA's), (6, 36223), (7, 36232), (10, 36337), (12, 36373), (14, 36415),

Gene: Qui_44 Start: 36040, Stop: 36450, Start Num: 1

Candidate Starts for Qui_44:

(Start: 1 @36040 has 2 MA's), (6, 36223), (7, 36232), (10, 36337), (12, 36373), (14, 36415),

Gene: Sunny4976_27 Start: 25824, Stop: 26234, Start Num: 1

Candidate Starts for Sunny4976_27:

(Start: 1 @25824 has 2 MA's), (3, 25866), (10, 26121), (12, 26157), (13, 26160),

Gene: Uzumaki_30 Start: 26694, Stop: 27101, Start Num: 2

Candidate Starts for Uzumaki_30:

(Start: 2 @26694 has 5 MA's), (5, 26799), (7, 26883), (8, 26931), (9, 26958), (10, 26988), (11, 27018),

Gene: Zeina_30 Start: 26075, Stop: 26482, Start Num: 2

Candidate Starts for Zeina_30:

(Start: 2 @26075 has 5 MA's), (5, 26180), (7, 26264), (8, 26312), (9, 26339), (10, 26369), (11, 26399),