



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 94169 Report

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

Pham number 94169 has 11 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Leathea_55
- Track 2 : Uzumaki_52, Zeina_56, Argan_53, GantcherGoblin_53
- Track 3 : Renaldo_61, BarbieDoll_59, Lewando_58
- Track 4 : Elver_102, Qui_103, Paella_103

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_53, Elver_102, GantcherGoblin_53, Leathea_55, Paella_103, Qui_103, Uzumaki_52, Zeina_56,

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:

- BarbieDoll_59, Lewando_58, Renaldo_61,

Summary by start number:

Start 1:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll_59 (AU6), Lewando_58 (AU6), Renaldo_61 (AU6),

Start 2:

- Found in 8 of 11 (72.7%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Argan_53 (AU6), Elver_102 (FK), GantcherGoblin_53 (AU6), Leathea_55 (AU6), Paella_103 (FK), Qui_103 (FK), Uzumaki_52 (AU6), Zeina_56 (AU6),

Summary by clusters:

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

Info for manual annotations of cluster AU6:

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

Info for manual annotations of cluster FK:

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

Gene Information:

Gene: Argan_53 Start: 34620, Stop: 34817, Start Num: 2

Candidate Starts for Argan_53:

(Start: 2 @34620 has 6 MA's), (7, 34737), (8, 34761),

Gene: BarbieDoll_59 Start: 36340, Stop: 36540, Start Num: 1

Candidate Starts for BarbieDoll_59:

(Start: 1 @36340 has 1 MA's), (6, 36424), (7, 36460), (8, 36484),

Gene: Elver_102 Start: 55844, Stop: 56035, Start Num: 2

Candidate Starts for Elver_102:

(Start: 2 @55844 has 6 MA's), (3, 55874), (4, 55892), (5, 55910), (7, 55961), (8, 55985), (9, 55991),

Gene: GantcherGoblin_53 Start: 34694, Stop: 34891, Start Num: 2

Candidate Starts for GantcherGoblin_53:

(Start: 2 @34694 has 6 MA's), (7, 34811), (8, 34835),

Gene: Leathea_55 Start: 34458, Stop: 34655, Start Num: 2

Candidate Starts for Leathea_55:

(Start: 2 @34458 has 6 MA's), (6, 34539), (7, 34575), (8, 34599),

Gene: Lewando_58 Start: 36342, Stop: 36542, Start Num: 1

Candidate Starts for Lewando_58:

(Start: 1 @36342 has 1 MA's), (6, 36426), (7, 36462), (8, 36486),

Gene: Paella_103 Start: 56434, Stop: 56625, Start Num: 2

Candidate Starts for Paella_103:

(Start: 2 @56434 has 6 MA's), (3, 56464), (4, 56482), (5, 56500), (7, 56551), (8, 56575), (9, 56581),

Gene: Qui_103 Start: 56434, Stop: 56625, Start Num: 2

Candidate Starts for Qui_103:

(Start: 2 @56434 has 6 MA's), (3, 56464), (4, 56482), (5, 56500), (7, 56551), (8, 56575), (9, 56581),

Gene: Renaldo_61 Start: 36651, Stop: 36851, Start Num: 1

Candidate Starts for Renaldo_61:

(Start: 1 @36651 has 1 MA's), (6, 36735), (7, 36771), (8, 36795),

Gene: Uzumaki_52 Start: 34796, Stop: 34993, Start Num: 2

Candidate Starts for Uzumaki_52:

(Start: 2 @34796 has 6 MA's), (7, 34913), (8, 34937),

Gene: Zeina_56 Start: 35363, Stop: 35560, Start Num: 2

Candidate Starts for Zeina_56:

(Start: 2 @35363 has 6 MA's), (7, 35480), (8, 35504),