



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 203557 Report

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

Pham number 203557 has 10 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Leathea_51
- Track 2 : Phaila_52
- Track 3 : Biscute_53, Kinny_54
- Track 4 : Lewando_53, Renaldo_56
- Track 5 : TrixiePhattel_51
- Track 6 : Navi1117_52
- Track 7 : GantcherGoblin_48
- Track 8 : BarbieDoll_54

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GantcherGoblin_48, Leathea_51, Lewando_53, Phaila_52, Renaldo_56, TrixiePhattel_51,

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

- BarbieDoll_54, Biscute_53, Kinny_54,

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

- Navi1117_52,

Summary by start number:

Start 7:

- Found in 4 of 10 (40.0%) of genes in pham
- No Manual Annotations of this start.
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll_54 (AU6), Biscute_53 (AU6), Kinny_54 (AU6),

Start 10:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Navi1117_52 (AU6),

Start 11:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 66.7% of time when present
- Phage (with cluster) where this start called: GantcherGoblin_48 (AU6), Leathea_51 (AU6), Lewando_53 (AU6), Phaila_52 (AU6), Renaldo_56 (AU6), TrixiePhattel_51 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 11 was manually annotated 2 times for cluster AU6.

Gene Information:

Gene: BarbieDoll_54 Start: 34859, Stop: 34999, Start Num: 7

Candidate Starts for BarbieDoll_54:

(2, 34706), (3, 34772), (7, 34859), (Start: 11 @34886 has 2 MA's),

Gene: Biscute_53 Start: 34511, Stop: 34651, Start Num: 7

Candidate Starts for Biscute_53:

(1, 34310), (2, 34358), (3, 34424), (7, 34511), (Start: 11 @34538 has 2 MA's),

Gene: GantcherGoblin_48 Start: 33220, Stop: 33339, Start Num: 11

Candidate Starts for GantcherGoblin_48:

(Start: 11 @33220 has 2 MA's), (12, 33256),

Gene: Kinny_54 Start: 35354, Stop: 35494, Start Num: 7

Candidate Starts for Kinny_54:

(1, 35153), (2, 35201), (3, 35267), (7, 35354), (Start: 11 @35381 has 2 MA's),

Gene: Leathea_51 Start: 33316, Stop: 33435, Start Num: 11

Candidate Starts for Leathea_51:

(Start: 11 @33316 has 2 MA's),

Gene: Lewando_53 Start: 34888, Stop: 35001, Start Num: 11

Candidate Starts for Lewando_53:

(Start: 11 @34888 has 2 MA's),

Gene: Navi1117_52 Start: 33929, Stop: 34051, Start Num: 10

Candidate Starts for Navi1117_52:

(5, 33893), (10, 33929),

Gene: Phaila_52 Start: 33313, Stop: 33432, Start Num: 11

Candidate Starts for Phaila_52:
(6, 33280), (7, 33283), (Start: 11 @33313 has 2 MA's),

Gene: Renaldo_56 Start: 35197, Stop: 35310, Start Num: 11
Candidate Starts for Renaldo_56:
(Start: 11 @35197 has 2 MA's),

Gene: TrixiePhattel_51 Start: 33340, Stop: 33459, Start Num: 11
Candidate Starts for TrixiePhattel_51:
(4, 33238), (8, 33325), (9, 33334), (Start: 11 @33340 has 2 MA's), (12, 33376),