



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 88278 Report

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

Pham number 88278 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Lambo_83, Apeppi_79, LuckyLeo_81, Zany_82
- Track 2 : DumpTruck_87, Xenia2_87
- Track 3 : Penjamin420_85
- Track 4 : Ranch_87

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

The start number called the most often in the published annotations is 9, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apeppi_79, Lambo_83, LuckyLeo_81, Zany_82,

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

-

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

- DumpTruck_87, Penjamin420_85, Ranch_87, Xenia2_87,

Summary by start number:

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ranch_87 (DV),

Start 7:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: DumpTruck_87 (DV), Xenia2_87 (DV),

Start 8:

- Found in 1 of 8 (12.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Penjamin420_85 (DV),

Start 9:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apeppi_79 (DV), Lambo_83 (DV), LuckyLeo_81 (DV), Zany_82 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 6 was manually annotated 1 time for cluster DV.
- Start number 7 was manually annotated 2 times for cluster DV.
- Start number 9 was manually annotated 3 times for cluster DV.

Gene Information:

Gene: Apeppi_79 Start: 57311, Stop: 57610, Start Num: 9

Candidate Starts for Apeppi_79:

(Start: 9 @57311 has 3 MA's), (10, 57374),

Gene: DumpTruck_87 Start: 57736, Stop: 58080, Start Num: 7

Candidate Starts for DumpTruck_87:

(Start: 7 @57736 has 2 MA's), (12, 58009), (13, 58045), (14, 58057),

Gene: Lambo_83 Start: 57653, Stop: 57952, Start Num: 9

Candidate Starts for Lambo_83:

(Start: 9 @57653 has 3 MA's), (10, 57716),

Gene: LuckyLeo_81 Start: 57311, Stop: 57610, Start Num: 9

Candidate Starts for LuckyLeo_81:

(Start: 9 @57311 has 3 MA's), (10, 57374),

Gene: Penjamin420_85 Start: 57820, Stop: 58125, Start Num: 8

Candidate Starts for Penjamin420_85:

(8, 57820), (11, 57940),

Gene: Ranch_87 Start: 57282, Stop: 57635, Start Num: 6

Candidate Starts for Ranch_87:

(1, 57165), (2, 57180), (3, 57198), (4, 57219), (5, 57270), (Start: 6 @57282 has 1 MA's), (Start: 7 @57297 has 2 MA's),

Gene: Xenia2_87 Start: 58104, Stop: 58448, Start Num: 7

Candidate Starts for Xenia2_87:

(Start: 7 @58104 has 2 MA's), (12, 58377), (13, 58413), (14, 58425),

Gene: Zany_82 Start: 58426, Stop: 58725, Start Num: 9
Candidate Starts for Zany_82:
(Start: 9 @58426 has 3 MA's), (10, 58489),