



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 282699 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282699 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Egad_45, DoctorPepper_44
- Track 2 : Shiba_44, Stayer_45, StarLord_45, Michelle_45, Salk_45, Sloopyjoe_45

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Michelle_45, Salk_45, Shiba_44, Sloopyjoe_45, StarLord_45, Stayer_45,

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:

- DoctorPepper_44, Egad_45,

Summary by start number:

Start 1:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Michelle_45 (AW), Salk_45 (AW), Shiba_44 (AW), Sloopyjoe_45 (AW), StarLord_45 (AW), Stayer_45 (AW),

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 25.0% of time when present
- Phage (with cluster) where this start called: DoctorPepper_44 (AW), Egad_45 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:

- Start number 1 was manually annotated 6 times for cluster AW.
- Start number 2 was manually annotated 2 times for cluster AW.

Gene Information:

Gene: DoctorPepper_44 Start: 31457, Stop: 31831, Start Num: 2

Candidate Starts for DoctorPepper_44:

(Start: 2 @31457 has 2 MA's), (3, 31514), (4, 31541), (5, 31595), (6, 31667), (7, 31760), (8, 31793),

Gene: Egad_45 Start: 31754, Stop: 32128, Start Num: 2

Candidate Starts for Egad_45:

(Start: 2 @31754 has 2 MA's), (3, 31811), (4, 31838), (5, 31892), (6, 31964), (7, 32057), (8, 32090),

Gene: Michelle_45 Start: 31746, Stop: 32126, Start Num: 1

Candidate Starts for Michelle_45:

(Start: 1 @31746 has 6 MA's), (Start: 2 @31752 has 2 MA's), (3, 31809), (4, 31836), (5, 31890), (6, 31962), (7, 32055), (8, 32088),

Gene: Salk_45 Start: 31744, Stop: 32124, Start Num: 1

Candidate Starts for Salk_45:

(Start: 1 @31744 has 6 MA's), (Start: 2 @31750 has 2 MA's), (3, 31807), (4, 31834), (5, 31888), (6, 31960), (7, 32053), (8, 32086),

Gene: Shiba_44 Start: 31444, Stop: 31824, Start Num: 1

Candidate Starts for Shiba_44:

(Start: 1 @31444 has 6 MA's), (Start: 2 @31450 has 2 MA's), (3, 31507), (4, 31534), (5, 31588), (6, 31660), (7, 31753), (8, 31786),

Gene: Sloopyjoe_45 Start: 31748, Stop: 32128, Start Num: 1

Candidate Starts for Sloopyjoe_45:

(Start: 1 @31748 has 6 MA's), (Start: 2 @31754 has 2 MA's), (3, 31811), (4, 31838), (5, 31892), (6, 31964), (7, 32057), (8, 32090),

Gene: StarLord_45 Start: 31747, Stop: 32127, Start Num: 1

Candidate Starts for StarLord_45:

(Start: 1 @31747 has 6 MA's), (Start: 2 @31753 has 2 MA's), (3, 31810), (4, 31837), (5, 31891), (6, 31963), (7, 32056), (8, 32089),

Gene: Stayer_45 Start: 31744, Stop: 32124, Start Num: 1

Candidate Starts for Stayer_45:

(Start: 1 @31744 has 6 MA's), (Start: 2 @31750 has 2 MA's), (3, 31807), (4, 31834), (5, 31888), (6, 31960), (7, 32053), (8, 32086),