



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 144567 Report

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

Pham number 144567 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Egad_50, BronxBay_50, MrAaronian_50, Stayer_50, Shiba_49, Sloopyjoe_50, StarLord_50, Michelle_50
- Track 2 : Linda_50, Raunak_53, Salk_50, DoctorPepper_52
- Track 3 : Sporto_51

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay_50, DoctorPepper_52, Egad_50, Linda_50, Michelle_50, MrAaronian_50, Raunak_53, Salk_50, Shiba_49, Sloopyjoe_50, Sporto_51, StarLord_50, Stayer_50,

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

-

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

-

Summary by start number:

Start 1:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BronxBay_50 (AW), DoctorPepper_52 (AW), Egad_50 (AW), Linda_50 (AW), Michelle_50 (AW), MrAaronian_50 (AW), Raunak_53 (AW), Salk_50 (AW), Shiba_49 (AW), Sloopyjoe_50 (AW), Sporto_51 (AW), StarLord_50 (AW), Stayer_50 (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 11 times for cluster AW.

Gene Information:

Gene: BronxBay_50 Start: 33451, Stop: 33684, Start Num: 1

Candidate Starts for BronxBay_50:

(Start: 1 @33451 has 11 MA's), (2, 33475), (4, 33532), (5, 33580), (6, 33586), (7, 33610), (8, 33625),

Gene: DoctorPepper_52 Start: 33155, Stop: 33388, Start Num: 1

Candidate Starts for DoctorPepper_52:

(Start: 1 @33155 has 11 MA's), (4, 33236), (5, 33284), (6, 33290), (7, 33314), (8, 33329),

Gene: Egad_50 Start: 33452, Stop: 33685, Start Num: 1

Candidate Starts for Egad_50:

(Start: 1 @33452 has 11 MA's), (2, 33476), (4, 33533), (5, 33581), (6, 33587), (7, 33611), (8, 33626),

Gene: Linda_50 Start: 33448, Stop: 33681, Start Num: 1

Candidate Starts for Linda_50:

(Start: 1 @33448 has 11 MA's), (4, 33529), (5, 33577), (6, 33583), (7, 33607), (8, 33622),

Gene: Michelle_50 Start: 33450, Stop: 33683, Start Num: 1

Candidate Starts for Michelle_50:

(Start: 1 @33450 has 11 MA's), (2, 33474), (4, 33531), (5, 33579), (6, 33585), (7, 33609), (8, 33624),

Gene: MrAaronian_50 Start: 33450, Stop: 33683, Start Num: 1

Candidate Starts for MrAaronian_50:

(Start: 1 @33450 has 11 MA's), (2, 33474), (4, 33531), (5, 33579), (6, 33585), (7, 33609), (8, 33624),

Gene: Raunak_53 Start: 33148, Stop: 33381, Start Num: 1

Candidate Starts for Raunak_53:

(Start: 1 @33148 has 11 MA's), (4, 33229), (5, 33277), (6, 33283), (7, 33307), (8, 33322),

Gene: Salk_50 Start: 33448, Stop: 33681, Start Num: 1

Candidate Starts for Salk_50:

(Start: 1 @33448 has 11 MA's), (4, 33529), (5, 33577), (6, 33583), (7, 33607), (8, 33622),

Gene: Shiba_49 Start: 33148, Stop: 33381, Start Num: 1

Candidate Starts for Shiba_49:

(Start: 1 @33148 has 11 MA's), (2, 33172), (4, 33229), (5, 33277), (6, 33283), (7, 33307), (8, 33322),

Gene: Sloopyjoe_50 Start: 33452, Stop: 33685, Start Num: 1

Candidate Starts for Sloopyjoe_50:

(Start: 1 @33452 has 11 MA's), (2, 33476), (4, 33533), (5, 33581), (6, 33587), (7, 33611), (8, 33626),

Gene: Sporto_51 Start: 34915, Stop: 35157, Start Num: 1

Candidate Starts for Sporto_51:

(Start: 1 @34915 has 11 MA's), (3, 34945), (4, 34996), (5, 35044), (9, 35107),

Gene: StarLord_50 Start: 33451, Stop: 33684, Start Num: 1

Candidate Starts for StarLord_50:

(Start: 1 @33451 has 11 MA's), (2, 33475), (4, 33532), (5, 33580), (6, 33586), (7, 33610), (8, 33625),

Gene: Stayer_50 Start: 33448, Stop: 33681, Start Num: 1

Candidate Starts for Stayer_50:

(Start: 1 @33448 has 11 MA's), (2, 33472), (4, 33529), (5, 33577), (6, 33583), (7, 33607), (8, 33622),