Pham 87547

1: Linda_42 + 2

2: Egad_42

3: Sloopyjoe_42 + 6

4: Qui_91 + 1

5: Elver_88

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 87547 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87547 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Linda_42, Salk_42, Stayer_42
• Track 2 : Egad_42
• Track 3 : Sloopyjoe_42, MrAaronian_42, StarLord_42, Michelle_42, Djungelskog_42, BronxBay_42, Shiba_41
• Track 4 : Qui_91, Paella_91
• Track 5 : Elver_88

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_42, Djungelskog_42, Egad_42, Linda_42, Michelle_42, MrAaronian_42, Salk_42, Shiba_41, Sloopyjoe_42, StarLord_42, Stayer_42,

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

Genes that do not have the "Most Annotated" start:
• Elver_88, Paella_91, Qui_91,

Summary by start number:

Start 1:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_88 (FK), Paella_91 (FK), Qui_91 (FK),

Start 3:
• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 11 of 13

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BronxBay_42 (AW), Djungelskog_42 (AW), Egad_42 (AW), Linda_42 (AW), Michelle_42 (AW), MrAaronian_42 (AW), Salk_42 (AW), Shiba_41 (AW), Sloopyjoe_42 (AW), StarLord_42 (AW), Stayer_42 (AW),

Summary by clusters:

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

Info for manual annotations of cluster AW:
•Start number 3 was manually annotated 11 times for cluster AW.

Info for manual annotations of cluster FK:
•Start number 1 was manually annotated 2 times for cluster FK.

Gene Information:
Gene: BronxBay_42 Start: 30407, Stop: 30874, Start Num: 3
Candidate Starts for BronxBay_42:
(2, 30344), (Start: 3 @30407 has 11 MA's), (4, 30455), (7, 30563), (14, 30755), (18, 30866),

Gene: Djungelskog_42 Start: 30406, Stop: 30873, Start Num: 3
Candidate Starts for Djungelskog_42:
(2, 30343), (Start: 3 @30406 has 11 MA's), (4, 30454), (7, 30562), (14, 30754), (18, 30865),

Gene: Egad_42 Start: 30408, Stop: 30875, Start Num: 3
Candidate Starts for Egad_42:
(2, 30345), (Start: 3 @30408 has 11 MA's), (4, 30456), (5, 30474), (7, 30564), (14, 30756), (18, 30867),

Gene: Elver_88 Start: 51516, Stop: 52001, Start Num: 1
Candidate Starts for Elver_88:
(Start: 1 @51516 has 2 MA's), (6, 51693), (9, 51777), (11, 51879), (12, 51882), (13, 51894), (15, 51909), (17, 51954),

Gene: Linda_42 Start: 30401, Stop: 30871, Start Num: 3
Candidate Starts for Linda_42:
(2, 30338), (Start: 3 @30401 has 11 MA's), (4, 30449), (7, 30557), (8, 30611), (10, 30686), (16, 30773),

Gene: Michelle_42 Start: 30406, Stop: 30873, Start Num: 3
Candidate Starts for Michelle_42:
(2, 30343), (Start: 3 @30406 has 11 MA's), (4, 30454), (7, 30562), (14, 30754), (18, 30865),

Gene: MrAaronian_42 Start: 30406, Stop: 30873, Start Num: 3
Candidate Starts for MrAaronian_42:
(2, 30343), (Start: 3 @30406 has 11 MA's), (4, 30454), (7, 30562), (14, 30754), (18, 30865),

Gene: Paella_91 Start: 52106, Stop: 52591, Start Num: 1
Candidate Starts for Paella_91:

(Start: 1 @52106 has 2 MA's), (6, 52283), (9, 52367), (11, 52469), (13, 52484), (15, 52499), (17, 52544),

Gene: Qui_91 Start: 52106, Stop: 52591, Start Num: 1
Candidate Starts for Qui_91:
(Start: 1 @52106 has 2 MA's), (6, 52283), (9, 52367), (11, 52469), (13, 52484), (15, 52499), (17, 52544),

Gene: Salk_42 Start: 30401, Stop: 30871, Start Num: 3
Candidate Starts for Salk_42:
(2, 30338), (Start: 3 @30401 has 11 MA's), (4, 30449), (7, 30557), (8, 30611), (10, 30686), (16, 30773),

Gene: Shiba_41 Start: 30104, Stop: 30571, Start Num: 3
Candidate Starts for Shiba_41:
(2, 30041), (Start: 3 @30104 has 11 MA's), (4, 30152), (7, 30260), (14, 30452), (18, 30563),

Gene: Sloopyjoe_42 Start: 30408, Stop: 30875, Start Num: 3
Candidate Starts for Sloopyjoe_42:
(2, 30345), (Start: 3 @30408 has 11 MA's), (4, 30456), (7, 30564), (14, 30756), (18, 30867),

Gene: StarLord_42 Start: 30407, Stop: 30874, Start Num: 3
Candidate Starts for StarLord_42:
(2, 30344), (Start: 3 @30407 has 11 MA's), (4, 30455), (7, 30563), (14, 30755), (18, 30866),

Gene: Stayer_42 Start: 30401, Stop: 30871, Start Num: 3
Candidate Starts for Stayer_42:
(2, 30338), (Start: 3 @30401 has 11 MA's), (4, 30449), (7, 30557), (8, 30611), (10, 30686), (16, 30773),