

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 155020 Report

This analysis was run 04/12/24 on database version 558.

Pham number 155020 has 21 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Linda_40, Sloopyjoe_40, ProfFrink_42, Egad_40, BronxBay_40, DoctorPepper_40, Shiba_39, MrAaronian_40, Stayer_40, StarLord_40, Djungelskog_40, Raunak_41, Michelle_40, Salk_40
- Track 2 : Sporto_41
- Track 3 : Jazzy4900_47, Sunny4976_46
- Track 4 : Arzan_48
- Track 5 : Qui_83, Elver_80, Paella_83

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

The start number called the most often in the published annotations is 2, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay_40, Djungelskog_40, DoctorPepper_40, Egad_40, Elver_80, Linda_40, Michelle_40, MrAaronian_40, Paella_83, ProfFrink_42, Qui_83, Raunak_41, Salk_40, Shiba_39, Sloopyjoe_40, Sporto_41, StarLord_40, Stayer_40,

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:

- Arzan_48, Jazzy4900_47, Sunny4976_46,

Summary by start number:

Start 1:

- Found in 3 of 21 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_48 (F1), Jazzy4900_47 (F1), Sunny4976_46 (F1),

Start 2:

- Found in 18 of 21 (85.7%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BronxBay_40 (AW), Djungelskog_40 (AW), DoctorPepper_40 (AW), Egad_40 (AW), Elver_80 (FK), Linda_40 (AW), Michelle_40 (AW), MrAaronian_40 (AW), Paella_83 (FK), ProfFrink_42 (AW), Qui_83 (FK), Raunak_41 (AW), Salk_40 (AW), Shiba_39 (AW), Sloopyjoe_40 (AW), Sporto_41 (AW), StarLord_40 (AW), Stayer_40 (AW),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AW,

Info for manual annotations of cluster AW:

- Start number 2 was manually annotated 12 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 2 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arzan_48 Start: 32418, Stop: 32612, Start Num: 1

Candidate Starts for Arzan_48:

(1, 32418), (3, 32442), (5, 32478),

Gene: BronxBay_40 Start: 30005, Stop: 30202, Start Num: 2

Candidate Starts for BronxBay_40:

(Start: 2 @30005 has 14 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Djungelskog_40 Start: 30005, Stop: 30202, Start Num: 2

Candidate Starts for Djungelskog_40:

(Start: 2 @30005 has 14 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: DoctorPepper_40 Start: 29707, Stop: 29904, Start Num: 2

Candidate Starts for DoctorPepper_40:

(Start: 2 @29707 has 14 MA's), (4, 29746), (6, 29761), (8, 29800), (9, 29803),

Gene: Egad_40 Start: 30006, Stop: 30203, Start Num: 2

Candidate Starts for Egad_40:

(Start: 2 @30006 has 14 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Elver_80 Start: 49310, Stop: 49537, Start Num: 2

Candidate Starts for Elver_80:

(Start: 2 @49310 has 14 MA's), (7, 49373), (10, 49439),

Gene: Jazzy4900_47 Start: 33250, Stop: 33444, Start Num: 1

Candidate Starts for Jazzy4900_47:

(1, 33250), (5, 33310),

Gene: Linda_40 Start: 30000, Stop: 30197, Start Num: 2

Candidate Starts for Linda_40:
(Start: 2 @30000 has 14 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),

Gene: Michelle_40 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for Michelle_40:
(Start: 2 @30005 has 14 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: MrAaronian_40 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for MrAaronian_40:
(Start: 2 @30005 has 14 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Paella_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Paella_83:
(Start: 2 @49903 has 14 MA's), (7, 49966), (10, 50032),

Gene: ProfFrink_42 Start: 30005, Stop: 30202, Start Num: 2
Candidate Starts for ProfFrink_42:
(Start: 2 @30005 has 14 MA's), (4, 30044), (6, 30059), (8, 30098), (9, 30101),

Gene: Qui_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Qui_83:
(Start: 2 @49903 has 14 MA's), (7, 49966), (10, 50032),

Gene: Raunak_41 Start: 29702, Stop: 29899, Start Num: 2
Candidate Starts for Raunak_41:
(Start: 2 @29702 has 14 MA's), (4, 29741), (6, 29756), (8, 29795), (9, 29798),

Gene: Salk_40 Start: 30000, Stop: 30197, Start Num: 2
Candidate Starts for Salk_40:
(Start: 2 @30000 has 14 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),

Gene: Shiba_39 Start: 29702, Stop: 29899, Start Num: 2
Candidate Starts for Shiba_39:
(Start: 2 @29702 has 14 MA's), (4, 29741), (6, 29756), (8, 29795), (9, 29798),

Gene: Sloopyjoe_40 Start: 30006, Stop: 30203, Start Num: 2
Candidate Starts for Sloopyjoe_40:
(Start: 2 @30006 has 14 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Sporto_41 Start: 31241, Stop: 31432, Start Num: 2
Candidate Starts for Sporto_41:
(Start: 2 @31241 has 14 MA's), (11, 31364),

Gene: StarLord_40 Start: 30006, Stop: 30203, Start Num: 2
Candidate Starts for StarLord_40:
(Start: 2 @30006 has 14 MA's), (4, 30045), (6, 30060), (8, 30099), (9, 30102),

Gene: Stayer_40 Start: 30000, Stop: 30197, Start Num: 2
Candidate Starts for Stayer_40:
(Start: 2 @30000 has 14 MA's), (4, 30039), (6, 30054), (8, 30093), (9, 30096),

Gene: Sunny4976_46 Start: 33250, Stop: 33444, Start Num: 1
Candidate Starts for Sunny4976_46:

(1, 33250), (5, 33310),