Pham 87049

1: BronxBay_70 + 10

2: Sporto_69

3: DoctorPepper_70 + 2

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 87049 Report

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

Pham number 87049 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BronxBay_70, Salk_70, StarLord_70, Stayer_70, MrAaronian_70, Djungelskog_69, Michelle_70, Shiba_69, Linda_70, Egad_70, Sloopyjoe_70
• Track 2 : Sporto_69
• Track 3 : DoctorPepper_70, ProfFrink_71, Raunak_71

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 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BronxBay_70, Djungelskog_69, Egad_70, Linda_70, Michelle_70, MrAaronian_70, Salk_70, Shiba_69, Sloopyjoe_70, StarLord_70, Stayer_70,

Genes that have the "Most Annotated" start but do not call it:
• DoctorPepper_70, ProfFrink_71, Raunak_71,

Genes that do not have the "Most Annotated" start:
• Sporto_69,

Summary by start number:

Start 1:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 11 of 12
• Called 78.6% of time when present
• Phage (with cluster) where this start called: BronxBay_70 (AW), Djungelskog_69 (AW), Egad_70 (AW), Linda_70 (AW), Michelle_70 (AW), MrAaronian_70 (AW), Salk_70 (AW), Shiba_69 (AW), Sloopyjoe_70 (AW), StarLord_70 (AW), Stayer_70 (AW),

Start 3:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sporto_69 (AW),

Start 5:
• Found in 15 of 15 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: DoctorPepper_70 (AW), ProfFrink_71 (AW), Raunak_71 (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.
•Start number 3 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: BronxBay_70 Start: 44596, Stop: 44790, Start Num: 1
Candidate Starts for BronxBay_70:
(Start: 1 @44596 has 11 MA's), (4, 44638), (5, 44662), (6, 44671),

Gene: Djungelskog_69 Start: 44598, Stop: 44792, Start Num: 1
Candidate Starts for Djungelskog_69:
(Start: 1 @44598 has 11 MA's), (4, 44640), (5, 44664), (6, 44673),

Gene: DoctorPepper_70 Start: 44366, Stop: 44494, Start Num: 5
Candidate Starts for DoctorPepper_70:
(Start: 1 @44300 has 11 MA's), (4, 44342), (5, 44366), (6, 44375),

Gene: Egad_70 Start: 44574, Stop: 44768, Start Num: 1
Candidate Starts for Egad_70:
(Start: 1 @44574 has 11 MA's), (4, 44616), (5, 44640), (6, 44649),

Gene: Linda_70 Start: 44593, Stop: 44787, Start Num: 1
Candidate Starts for Linda_70:
(Start: 1 @44593 has 11 MA's), (4, 44635), (5, 44659), (6, 44668),

Gene: Michelle_70 Start: 44595, Stop: 44789, Start Num: 1
Candidate Starts for Michelle_70:
(Start: 1 @44595 has 11 MA's), (4, 44637), (5, 44661), (6, 44670),

Gene: MrAaronian_70 Start: 44595, Stop: 44789, Start Num: 1
Candidate Starts for MrAaronian_70:
(Start: 1 @44595 has 11 MA's), (4, 44637), (5, 44661), (6, 44670),

Gene: ProfFrink_71 Start: 44639, Stop: 44767, Start Num: 5
Candidate Starts for ProfFrink_71:
(Start: 1 @44573 has 11 MA's), (4, 44615), (5, 44639), (6, 44648),

Gene: Raunak_71 Start: 44301, Stop: 44429, Start Num: 5
Candidate Starts for Raunak_71:
(Start: 1 @44235 has 11 MA's), (4, 44277), (5, 44301), (6, 44310),

Gene: Salk_70 Start: 44593, Stop: 44787, Start Num: 1
Candidate Starts for Salk_70:
(Start: 1 @44593 has 11 MA's), (4, 44635), (5, 44659), (6, 44668),

Gene: Shiba_69 Start: 44251, Stop: 44445, Start Num: 1
Candidate Starts for Shiba_69:
(Start: 1 @44251 has 11 MA's), (4, 44293), (5, 44317), (6, 44326),

Gene: Sloopyjoe_70 Start: 44597, Stop: 44791, Start Num: 1
Candidate Starts for Sloopyjoe_70:
(Start: 1 @44597 has 11 MA's), (4, 44639), (5, 44663), (6, 44672),

Gene: Sporto_69 Start: 45691, Stop: 45870, Start Num: 3
Candidate Starts for Sporto_69:
(2, 45688), (Start: 3 @45691 has 1 MA's), (4, 45712), (5, 45742), (6, 45751),

Gene: StarLord_70 Start: 44590, Stop: 44784, Start Num: 1
Candidate Starts for StarLord_70:
(Start: 1 @44590 has 11 MA's), (4, 44632), (5, 44656), (6, 44665),

Gene: Stayer_70 Start: 44593, Stop: 44787, Start Num: 1
Candidate Starts for Stayer_70:
(Start: 1 @44593 has 11 MA's), (4, 44635), (5, 44659), (6, 44668),