Pham 6333

1: Stayer_58 + 12

2: DoctorPepper_59

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 6333 Report

This analysis was run 03/30/24 on database version 556.

Pham number 6333 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Stayer_58, BronxBay_58, StarLord_58, MrAaronian_58, Djungelskog_57, Egad_58, Linda_58, Raunak_60, Salk_58, Michelle_58, Sloopyjoe_58, ProfFrink_60, Shiba_57
• Track 2 : DoctorPepper_59

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_58, Djungelskog_57, Egad_58, Linda_58, Michelle_58, MrAaronian_58, ProfFrink_60, Raunak_60, Salk_58, Shiba_57, Sloopyjoe_58, StarLord_58, Stayer_58,

Genes that have the "Most Annotated" start but do not call it:
• DoctorPepper_59,

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 92.9% of time when present
• Phage (with cluster) where this start called: BronxBay_58 (AW), Djungelskog_57 (AW), Egad_58 (AW), Linda_58 (AW), Michelle_58 (AW), MrAaronian_58 (AW), ProfFrink_60 (AW), Raunak_60 (AW), Salk_58 (AW), Shiba_57 (AW), Sloopyjoe_58 (AW), StarLord_58 (AW), Stayer_58 (AW),

Start 2:
• Found in 1 of 14 (7.1%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DoctorPepper_59 (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_58 Start: 40577, Stop: 40777, Start Num: 1
Candidate Starts for BronxBay_58:
(Start: 1 @40577 has 11 MA's),

Gene: Djungelskog_57 Start: 40576, Stop: 40776, Start Num: 1
Candidate Starts for Djungelskog_57:
(Start: 1 @40576 has 11 MA's),

Gene: DoctorPepper_59 Start: 40314, Stop: 40481, Start Num: 2
Candidate Starts for DoctorPepper_59:
(Start: 1 @40281 has 11 MA's), (2, 40314),

Gene: Egad_58 Start: 40578, Stop: 40778, Start Num: 1
Candidate Starts for Egad_58:
(Start: 1 @40578 has 11 MA's),

Gene: Linda_58 Start: 40574, Stop: 40774, Start Num: 1
Candidate Starts for Linda_58:
(Start: 1 @40574 has 11 MA's),

Gene: Michelle_58 Start: 40576, Stop: 40776, Start Num: 1
Candidate Starts for Michelle_58:
(Start: 1 @40576 has 11 MA's),

Gene: MrAaronian_58 Start: 40576, Stop: 40776, Start Num: 1
Candidate Starts for MrAaronian_58:
(Start: 1 @40576 has 11 MA's),

Gene: ProfFrink_60 Start: 40577, Stop: 40777, Start Num: 1
Candidate Starts for ProfFrink_60:
(Start: 1 @40577 has 11 MA's),

Gene: Raunak_60 Start: 40274, Stop: 40474, Start Num: 1
Candidate Starts for Raunak_60:
(Start: 1 @40274 has 11 MA's),

Gene: Salk_58 Start: 40574, Stop: 40774, Start Num: 1
Candidate Starts for Salk_58:

(Start: 1 @40574 has 11 MA's),

Gene: Shiba_57 Start: 40274, Stop: 40474, Start Num: 1
Candidate Starts for Shiba_57:
(Start: 1 @40274 has 11 MA's),

Gene: Sloopyjoe_58 Start: 40578, Stop: 40778, Start Num: 1
Candidate Starts for Sloopyjoe_58:
(Start: 1 @40578 has 11 MA's),

Gene: StarLord_58 Start: 40577, Stop: 40777, Start Num: 1
Candidate Starts for StarLord_58:
(Start: 1 @40577 has 11 MA's),

Gene: Stayer_58 Start: 40574, Stop: 40774, Start Num: 1
Candidate Starts for Stayer_58:
(Start: 1 @40574 has 11 MA's),