



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 6016 Report

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

Pham number 6016 has 14 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Linda_78, DoctorPepper_78
- Track 2 : Sloopyjoe_78, BronxBay_78, Egad_78, Salk_78, Michelle_78, Shiba_77, Raunak_79, StarLord_78, Stayer_78, ProfFrink_79
- Track 3 : Djungelskog_77, MrAaronian_78

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_78, Djungelskog_77, DoctorPepper_78, Egad_78, Linda_78, Michelle_78, MrAaronian_78, ProfFrink_79, Raunak_79, Salk_78, Shiba_77, Sloopyjoe_78, StarLord_78, Stayer_78,

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 14 of 14 (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_78 (AW), Djungelskog_77 (AW), DoctorPepper_78 (AW), Egad_78 (AW), Linda_78 (AW), Michelle_78 (AW), MrAaronian_78 (AW), ProfFrink_79 (AW), Raunak_79 (AW), Salk_78 (AW), Shiba_77 (AW), Sloopyjoe_78 (AW), StarLord_78 (AW), Stayer_78 (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_78 Start: 48735, Stop: 48950, Start Num: 1

Candidate Starts for BronxBay_78:

(Start: 1 @48735 has 11 MA's), (2, 48798), (3, 48813), (5, 48840),

Gene: Djungelskog_77 Start: 48737, Stop: 48952, Start Num: 1

Candidate Starts for Djungelskog_77:

(Start: 1 @48737 has 11 MA's), (3, 48815), (5, 48842),

Gene: DoctorPepper_78 Start: 48430, Stop: 48639, Start Num: 1

Candidate Starts for DoctorPepper_78:

(Start: 1 @48430 has 11 MA's), (2, 48493), (3, 48508), (4, 48517),

Gene: Egad_78 Start: 48704, Stop: 48913, Start Num: 1

Candidate Starts for Egad_78:

(Start: 1 @48704 has 11 MA's), (2, 48767), (3, 48782), (5, 48809),

Gene: Linda_78 Start: 48717, Stop: 48926, Start Num: 1

Candidate Starts for Linda_78:

(Start: 1 @48717 has 11 MA's), (2, 48780), (3, 48795), (4, 48804),

Gene: Michelle_78 Start: 48734, Stop: 48949, Start Num: 1

Candidate Starts for Michelle_78:

(Start: 1 @48734 has 11 MA's), (2, 48797), (3, 48812), (5, 48839),

Gene: MrAaronian_78 Start: 48734, Stop: 48949, Start Num: 1

Candidate Starts for MrAaronian_78:

(Start: 1 @48734 has 11 MA's), (3, 48812), (5, 48839),

Gene: ProfFrink_79 Start: 48703, Stop: 48918, Start Num: 1

Candidate Starts for ProfFrink_79:

(Start: 1 @48703 has 11 MA's), (2, 48766), (3, 48781), (5, 48808),

Gene: Raunak_79 Start: 48413, Stop: 48628, Start Num: 1

Candidate Starts for Raunak_79:

(Start: 1 @48413 has 11 MA's), (2, 48476), (3, 48491), (5, 48518),

Gene: Salk_78 Start: 48717, Stop: 48932, Start Num: 1

Candidate Starts for Salk_78:

(Start: 1 @48717 has 11 MA's), (2, 48780), (3, 48795), (5, 48822),

Gene: Shiba_77 Start: 48429, Stop: 48644, Start Num: 1

Candidate Starts for Shiba_77:

(Start: 1 @48429 has 11 MA's), (2, 48492), (3, 48507), (5, 48534),

Gene: Sloopyjoe_78 Start: 48736, Stop: 48951, Start Num: 1
Candidate Starts for Sloopyjoe_78:
(Start: 1 @48736 has 11 MA's), (2, 48799), (3, 48814), (5, 48841),

Gene: StarLord_78 Start: 48729, Stop: 48944, Start Num: 1
Candidate Starts for StarLord_78:
(Start: 1 @48729 has 11 MA's), (2, 48792), (3, 48807), (5, 48834),

Gene: Stayer_78 Start: 48732, Stop: 48947, Start Num: 1
Candidate Starts for Stayer_78:
(Start: 1 @48732 has 11 MA's), (2, 48795), (3, 48810), (5, 48837),