



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 173354 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173354 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Sporto\_60
- Track 2 : Salk\_61, StarLord\_61, Egad\_61, BronxBay\_61, Stayer\_61, Shiba\_60, MrAaronian\_61, DoctorPepper\_60, Sloopyjoe\_61, ProfFrink\_61, Linda\_61, Michelle\_61, Djungelskog\_60

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay\_61, Djungelskog\_60, DoctorPepper\_60, Egad\_61, Linda\_61, Michelle\_61, MrAaronian\_61, ProfFrink\_61, Salk\_61, Shiba\_60, Sloopyjoe\_61, StarLord\_61, Stayer\_61,

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:

- Sporto\_60,

### **Summary by start number:**

Start 2:

- Found in 1 of 14 ( 7.1% ) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sporto\_60 (AW),

Start 5:

- Found in 13 of 14 ( 92.9% ) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BronxBay\_61 (AW), Djungelskog\_60 (AW), DoctorPepper\_60 (AW), Egad\_61 (AW), Linda\_61 (AW), Michelle\_61 (AW), MrAaronian\_61 (AW), ProfFrink\_61 (AW), Salk\_61 (AW), Shiba\_60 (AW), Sloopyjoe\_61 (AW), StarLord\_61 (AW), Stayer\_61 (AW),

### **Summary by clusters:**

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:

- Start number 2 was manually annotated 1 time for cluster AW.
- Start number 5 was manually annotated 13 times for cluster AW.

### **Gene Information:**

Gene: BronxBay\_61 Start: 41144, Stop: 41377, Start Num: 5

Candidate Starts for BronxBay\_61:

(1, 41090), (Start: 5 @41144 has 13 MA's), (6, 41171), (7, 41174),

Gene: Djungelskog\_60 Start: 41143, Stop: 41376, Start Num: 5

Candidate Starts for Djungelskog\_60:

(1, 41089), (Start: 5 @41143 has 13 MA's), (6, 41170), (7, 41173),

Gene: DoctorPepper\_60 Start: 40848, Stop: 41081, Start Num: 5

Candidate Starts for DoctorPepper\_60:

(1, 40794), (Start: 5 @40848 has 13 MA's), (6, 40875), (7, 40878),

Gene: Egad\_61 Start: 41145, Stop: 41378, Start Num: 5

Candidate Starts for Egad\_61:

(1, 41091), (Start: 5 @41145 has 13 MA's), (6, 41172), (7, 41175),

Gene: Linda\_61 Start: 41141, Stop: 41374, Start Num: 5

Candidate Starts for Linda\_61:

(1, 41087), (Start: 5 @41141 has 13 MA's), (6, 41168), (7, 41171),

Gene: Michelle\_61 Start: 41143, Stop: 41376, Start Num: 5

Candidate Starts for Michelle\_61:

(1, 41089), (Start: 5 @41143 has 13 MA's), (6, 41170), (7, 41173),

Gene: MrAaronian\_61 Start: 41143, Stop: 41376, Start Num: 5

Candidate Starts for MrAaronian\_61:

(1, 41089), (Start: 5 @41143 has 13 MA's), (6, 41170), (7, 41173),

Gene: ProfFrink\_61 Start: 41144, Stop: 41377, Start Num: 5

Candidate Starts for ProfFrink\_61:

(1, 41090), (Start: 5 @41144 has 13 MA's), (6, 41171), (7, 41174),

Gene: Salk\_61 Start: 41141, Stop: 41374, Start Num: 5

Candidate Starts for Salk\_61:

(1, 41087), (Start: 5 @41141 has 13 MA's), (6, 41168), (7, 41171),

Gene: Shiba\_60 Start: 40841, Stop: 41074, Start Num: 5  
Candidate Starts for Shiba\_60:  
(1, 40787), (Start: 5 @40841 has 13 MA's), (6, 40868), (7, 40871),

Gene: Sloopyjoe\_61 Start: 41145, Stop: 41378, Start Num: 5  
Candidate Starts for Sloopyjoe\_61:  
(1, 41091), (Start: 5 @41145 has 13 MA's), (6, 41172), (7, 41175),

Gene: Sporto\_60 Start: 42231, Stop: 42497, Start Num: 2  
Candidate Starts for Sporto\_60:  
(Start: 2 @42231 has 1 MA's), (3, 42246), (4, 42264), (8, 42387),

Gene: StarLord\_61 Start: 41144, Stop: 41377, Start Num: 5  
Candidate Starts for StarLord\_61:  
(1, 41090), (Start: 5 @41144 has 13 MA's), (6, 41171), (7, 41174),

Gene: Stayer\_61 Start: 41141, Stop: 41374, Start Num: 5  
Candidate Starts for Stayer\_61:  
(1, 41087), (Start: 5 @41141 has 13 MA's), (6, 41168), (7, 41171),