



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 106658 Report

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

Pham number 106658 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rebeuca\_51, WalterMcMickey\_49, Twister\_49, Kristoff\_51
- Track 2 : Trike\_49, PeaceMeal1\_49, KittenMittens\_48, Poompha\_50, Topanga\_49, RhynO\_52, Edison31\_49, Severus\_49
- Track 3 : Drake94\_49
- Track 4 : Chupacabra\_50
- Track 5 : OKCentral2016\_50, Goose\_51
- Track 6 : Eaglepride\_52

### ***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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chupacabra\_50, Drake94\_49, Eaglepride\_52, Edison31\_49, Goose\_51, KittenMittens\_48, Kristoff\_51, OKCentral2016\_50, PeaceMeal1\_49, Poompha\_50, Rebeuca\_51, RhynO\_52, Severus\_49, Topanga\_49, Trike\_49, Twister\_49, WalterMcMickey\_49,

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 2:

- Found in 17 of 17 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chupacabra\_50 (A10), Drake94\_49 (A10), Eaglepride\_52 (A10), Edison31\_49 (A10), Goose\_51 (A10), KittenMittens\_48 (A10), Kristoff\_51 (A10), OKCentral2016\_50 (A10), PeaceMeal1\_49 (A10),

Poompha\_50 (A10), Rebeuca\_51 (A10), RhynO\_52 (A10), Severus\_49 (A10), Topanga\_49 (A10), Trike\_49 (A10), Twister\_49 (A10), WalterMcMickey\_49 (A10),

### **Summary by clusters:**

There is one cluster represented in this pham: A10

Info for manual annotations of cluster A10:

- Start number 2 was manually annotated 16 times for cluster A10.

### **Gene Information:**

Gene: Chupacabra\_50 Start: 35531, Stop: 35379, Start Num: 2

Candidate Starts for Chupacabra\_50:

(1, 35594), (Start: 2 @35531 has 16 MA's),

Gene: Drake94\_49 Start: 34742, Stop: 34596, Start Num: 2

Candidate Starts for Drake94\_49:

(Start: 2 @34742 has 16 MA's), (3, 34607),

Gene: Eaglepride\_52 Start: 35595, Stop: 35449, Start Num: 2

Candidate Starts for Eaglepride\_52:

(1, 35658), (Start: 2 @35595 has 16 MA's), (3, 35460),

Gene: Edison31\_49 Start: 35534, Stop: 35388, Start Num: 2

Candidate Starts for Edison31\_49:

(Start: 2 @35534 has 16 MA's), (3, 35399),

Gene: Goose\_51 Start: 35344, Stop: 35192, Start Num: 2

Candidate Starts for Goose\_51:

(1, 35407), (Start: 2 @35344 has 16 MA's),

Gene: KittenMittens\_48 Start: 34750, Stop: 34604, Start Num: 2

Candidate Starts for KittenMittens\_48:

(Start: 2 @34750 has 16 MA's), (3, 34615),

Gene: Kristoff\_51 Start: 35892, Stop: 35746, Start Num: 2

Candidate Starts for Kristoff\_51:

(1, 35955), (Start: 2 @35892 has 16 MA's), (3, 35757),

Gene: OKCentral2016\_50 Start: 35247, Stop: 35095, Start Num: 2

Candidate Starts for OKCentral2016\_50:

(1, 35310), (Start: 2 @35247 has 16 MA's),

Gene: PeaceMeal1\_49 Start: 34751, Stop: 34605, Start Num: 2

Candidate Starts for PeaceMeal1\_49:

(Start: 2 @34751 has 16 MA's), (3, 34616),

Gene: Poompha\_50 Start: 34749, Stop: 34603, Start Num: 2

Candidate Starts for Poompha\_50:

(Start: 2 @34749 has 16 MA's), (3, 34614),

Gene: Rebeuca\_51 Start: 35893, Stop: 35747, Start Num: 2  
Candidate Starts for Rebeuca\_51:  
(1, 35956), (Start: 2 @35893 has 16 MA's), (3, 35758),

Gene: RhynO\_52 Start: 35695, Stop: 35549, Start Num: 2  
Candidate Starts for RhynO\_52:  
(Start: 2 @35695 has 16 MA's), (3, 35560),

Gene: Severus\_49 Start: 34749, Stop: 34603, Start Num: 2  
Candidate Starts for Severus\_49:  
(Start: 2 @34749 has 16 MA's), (3, 34614),

Gene: Topanga\_49 Start: 35537, Stop: 35391, Start Num: 2  
Candidate Starts for Topanga\_49:  
(Start: 2 @35537 has 16 MA's), (3, 35402),

Gene: Trike\_49 Start: 34758, Stop: 34612, Start Num: 2  
Candidate Starts for Trike\_49:  
(Start: 2 @34758 has 16 MA's), (3, 34623),

Gene: Twister\_49 Start: 35454, Stop: 35308, Start Num: 2  
Candidate Starts for Twister\_49:  
(1, 35517), (Start: 2 @35454 has 16 MA's), (3, 35319),

Gene: WalterMcMickey\_49 Start: 35454, Stop: 35308, Start Num: 2  
Candidate Starts for WalterMcMickey\_49:  
(1, 35517), (Start: 2 @35454 has 16 MA's), (3, 35319),