



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 280967 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280967 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Jabb\_15, CupcakePrincess\_15, Eula\_15, MsUbiquitous\_15, TukTuk\_15, QMacho\_16, Pecas\_15, Jovita\_15
- Track 2 : SarBear\_15, Swervy\_15, AylexOG\_16
- Track 3 : DirtyBubble\_15
- Track 4 : Finalfrontier\_16
- Track 5 : Nicky22\_16, Lilo27\_15
- Track 6 : Lynlen\_15, Kenzers\_15

### ***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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AylexOG\_16, CupcakePrincess\_15, DirtyBubble\_15, Eula\_15, Finalfrontier\_16, Jabb\_15, Jovita\_15, Kenzers\_15, Lilo27\_15, Lynlen\_15, MsUbiquitous\_15, Nicky22\_16, Pecas\_15, QMacho\_16, SarBear\_15, Swervy\_15, TukTuk\_15,

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: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AylexOG\_16 (EB), CupcakePrincess\_15 (EB), DirtyBubble\_15 (EB), Eula\_15 (EB), Finalfrontier\_16 (EB), Jabb\_15 (EB), Jovita\_15 (EB), Kenzers\_15 (EB), Lilo27\_15 (EB), Lynlen\_15 (EB), MsUbiquitous\_15 (EB), Nicky22\_16 (EB), Pecas\_15 (EB), QMacho\_16 (EB), SarBear\_15 (EB),

Swervy\_15 (EB), TukTuk\_15 (EB),

### **Summary by clusters:**

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:

•Start number 2 was manually annotated 14 times for cluster EB.

### **Gene Information:**

Gene: AylexOG\_16 Start: 10506, Stop: 10303, Start Num: 2

Candidate Starts for AylexOG\_16:

(Start: 2 @10506 has 14 MA's), (3, 10452), (4, 10356), (5, 10341),

Gene: CupcakePrincess\_15 Start: 10201, Stop: 9998, Start Num: 2

Candidate Starts for CupcakePrincess\_15:

(Start: 2 @10201 has 14 MA's), (3, 10147), (4, 10051), (5, 10036),

Gene: DirtyBubble\_15 Start: 10405, Stop: 10187, Start Num: 2

Candidate Starts for DirtyBubble\_15:

(1, 10441), (Start: 2 @10405 has 14 MA's),

Gene: Eula\_15 Start: 10162, Stop: 9959, Start Num: 2

Candidate Starts for Eula\_15:

(Start: 2 @10162 has 14 MA's), (3, 10108), (4, 10012), (5, 9997),

Gene: Finalfrontier\_16 Start: 10674, Stop: 10471, Start Num: 2

Candidate Starts for Finalfrontier\_16:

(Start: 2 @10674 has 14 MA's), (3, 10620), (4, 10524),

Gene: Jabb\_15 Start: 10201, Stop: 9998, Start Num: 2

Candidate Starts for Jabb\_15:

(Start: 2 @10201 has 14 MA's), (3, 10147), (4, 10051), (5, 10036),

Gene: Jovita\_15 Start: 10263, Stop: 10060, Start Num: 2

Candidate Starts for Jovita\_15:

(Start: 2 @10263 has 14 MA's), (3, 10209), (4, 10113), (5, 10098),

Gene: Kenzers\_15 Start: 10175, Stop: 9975, Start Num: 2

Candidate Starts for Kenzers\_15:

(Start: 2 @10175 has 14 MA's), (3, 10124), (4, 10028), (6, 9989),

Gene: Lilo27\_15 Start: 10138, Stop: 9935, Start Num: 2

Candidate Starts for Lilo27\_15:

(Start: 2 @10138 has 14 MA's), (3, 10084), (4, 9988),

Gene: Lynlen\_15 Start: 10175, Stop: 9975, Start Num: 2

Candidate Starts for Lynlen\_15:

(Start: 2 @10175 has 14 MA's), (3, 10124), (4, 10028), (6, 9989),

Gene: MsUbiquitous\_15 Start: 10201, Stop: 9998, Start Num: 2  
Candidate Starts for MsUbiquitous\_15:  
(Start: 2 @10201 has 14 MA's), (3, 10147), (4, 10051), (5, 10036),

Gene: Nicky22\_16 Start: 10609, Stop: 10406, Start Num: 2  
Candidate Starts for Nicky22\_16:  
(Start: 2 @10609 has 14 MA's), (3, 10555), (4, 10459),

Gene: Pecas\_15 Start: 10162, Stop: 9959, Start Num: 2  
Candidate Starts for Pecas\_15:  
(Start: 2 @10162 has 14 MA's), (3, 10108), (4, 10012), (5, 9997),

Gene: QMacho\_16 Start: 10645, Stop: 10442, Start Num: 2  
Candidate Starts for QMacho\_16:  
(Start: 2 @10645 has 14 MA's), (3, 10591), (4, 10495), (5, 10480),

Gene: SarBear\_15 Start: 10138, Stop: 9935, Start Num: 2  
Candidate Starts for SarBear\_15:  
(Start: 2 @10138 has 14 MA's), (3, 10084), (4, 9988), (5, 9973),

Gene: Swervy\_15 Start: 10138, Stop: 9935, Start Num: 2  
Candidate Starts for Swervy\_15:  
(Start: 2 @10138 has 14 MA's), (3, 10084), (4, 9988), (5, 9973),

Gene: TukTuk\_15 Start: 10198, Stop: 9995, Start Num: 2  
Candidate Starts for TukTuk\_15:  
(Start: 2 @10198 has 14 MA's), (3, 10144), (4, 10048), (5, 10033),