



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 305478 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305478 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ignacio\_55, ArizonaGT\_57, Piccadilly\_55, AxeJC\_55, FrumpyGal\_57, Eklok\_55, Eastland\_55, Vondra\_54, HFrancette\_56, Schlegelian\_54, Cumberbatch\_56

### ***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:

- ArizonaGT\_57, AxeJC\_55, Cumberbatch\_56, Eastland\_55, Eklok\_55, FrumpyGal\_57, HFrancette\_56, Ignacio\_55, Piccadilly\_55, Schlegelian\_54, Vondra\_54,

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 11 of 11 ( 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: ArizonaGT\_57 (BP), AxeJC\_55 (BP), Cumberbatch\_56 (BP), Eastland\_55 (BP), Eklok\_55 (BP), FrumpyGal\_57 (BP), HFrancette\_56 (BP), Ignacio\_55 (BP), Piccadilly\_55 (BP), Schlegelian\_54 (BP), Vondra\_54 (BP),

### **Summary by clusters:**

There is one cluster represented in this pham: BP

Info for manual annotations of cluster BP:

•Start number 1 was manually annotated 11 times for cluster BP.

**Gene Information:**

Gene: ArizonaGT\_57 Start: 35617, Stop: 35943, Start Num: 1

Candidate Starts for ArizonaGT\_57:

(Start: 1 @35617 has 11 MA's), (2, 35683),

Gene: AxeJC\_55 Start: 35732, Stop: 36058, Start Num: 1

Candidate Starts for AxeJC\_55:

(Start: 1 @35732 has 11 MA's), (2, 35798),

Gene: Cumberbatch\_56 Start: 35617, Stop: 35943, Start Num: 1

Candidate Starts for Cumberbatch\_56:

(Start: 1 @35617 has 11 MA's), (2, 35683),

Gene: Eastland\_55 Start: 35577, Stop: 35903, Start Num: 1

Candidate Starts for Eastland\_55:

(Start: 1 @35577 has 11 MA's), (2, 35643),

Gene: Eklok\_55 Start: 35376, Stop: 35702, Start Num: 1

Candidate Starts for Eklok\_55:

(Start: 1 @35376 has 11 MA's), (2, 35442),

Gene: FrumpyGal\_57 Start: 35577, Stop: 35903, Start Num: 1

Candidate Starts for FrumpyGal\_57:

(Start: 1 @35577 has 11 MA's), (2, 35643),

Gene: HFrancette\_56 Start: 36265, Stop: 36591, Start Num: 1

Candidate Starts for HFrancette\_56:

(Start: 1 @36265 has 11 MA's), (2, 36331),

Gene: Ignacio\_55 Start: 36168, Stop: 36494, Start Num: 1

Candidate Starts for Ignacio\_55:

(Start: 1 @36168 has 11 MA's), (2, 36234),

Gene: Piccadilly\_55 Start: 35576, Stop: 35902, Start Num: 1

Candidate Starts for Piccadilly\_55:

(Start: 1 @35576 has 11 MA's), (2, 35642),

Gene: Schlegelian\_54 Start: 35351, Stop: 35677, Start Num: 1

Candidate Starts for Schlegelian\_54:

(Start: 1 @35351 has 11 MA's), (2, 35417),

Gene: Vondra\_54 Start: 35162, Stop: 35488, Start Num: 1

Candidate Starts for Vondra\_54:

(Start: 1 @35162 has 11 MA's), (2, 35228),