



1: Zenitsu\_58 + 10

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 6374 Report

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

Pham number 6374 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Zenitsu\_58, Shamu\_58, Glamour\_57, ChikPic\_58, Andromedas\_58, MCubed\_58, ColaCorta\_58, Eleri\_58, Saratos\_58, Sansa\_56, Finny\_59

### ***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:

- Andromedas\_58, ChikPic\_58, ColaCorta\_58, Eleri\_58, Finny\_59, Glamour\_57, MCubed\_58, Sansa\_56, Saratos\_58, Shamu\_58, Zenitsu\_58,

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: Andromedas\_58 (EA2), ChikPic\_58 (EA2), ColaCorta\_58 (EA2), Eleri\_58 (EA2), Finny\_59 (EA2), Glamour\_57 (EA2), MCubed\_58 (EA2), Sansa\_56 (EA2), Saratos\_58 (EA2), Shamu\_58 (EA2), Zenitsu\_58 (EA2),

### **Summary by clusters:**

There is one cluster represented in this pham: EA2

Info for manual annotations of cluster EA2:

- Start number 1 was manually annotated 11 times for cluster EA2.

**Gene Information:**

Gene: Andromedas\_58 Start: 38257, Stop: 38075, Start Num: 1

Candidate Starts for Andromedas\_58:

(Start: 1 @38257 has 11 MA's), (2, 38086),

Gene: ChikPic\_58 Start: 38066, Stop: 37884, Start Num: 1

Candidate Starts for ChikPic\_58:

(Start: 1 @38066 has 11 MA's), (2, 37895),

Gene: ColaCorta\_58 Start: 38257, Stop: 38075, Start Num: 1

Candidate Starts for ColaCorta\_58:

(Start: 1 @38257 has 11 MA's), (2, 38086),

Gene: Eleri\_58 Start: 38102, Stop: 37920, Start Num: 1

Candidate Starts for Eleri\_58:

(Start: 1 @38102 has 11 MA's), (2, 37931),

Gene: Finny\_59 Start: 38050, Stop: 37868, Start Num: 1

Candidate Starts for Finny\_59:

(Start: 1 @38050 has 11 MA's), (2, 37879),

Gene: Glamour\_57 Start: 37960, Stop: 37778, Start Num: 1

Candidate Starts for Glamour\_57:

(Start: 1 @37960 has 11 MA's), (2, 37789),

Gene: MCubed\_58 Start: 38118, Stop: 37936, Start Num: 1

Candidate Starts for MCubed\_58:

(Start: 1 @38118 has 11 MA's), (2, 37947),

Gene: Sansa\_56 Start: 38042, Stop: 37860, Start Num: 1

Candidate Starts for Sansa\_56:

(Start: 1 @38042 has 11 MA's), (2, 37871),

Gene: Saratos\_58 Start: 38086, Stop: 37904, Start Num: 1

Candidate Starts for Saratos\_58:

(Start: 1 @38086 has 11 MA's), (2, 37915),

Gene: Shamu\_58 Start: 37975, Stop: 37793, Start Num: 1

Candidate Starts for Shamu\_58:

(Start: 1 @37975 has 11 MA's), (2, 37804),

Gene: Zenitsu\_58 Start: 38123, Stop: 37941, Start Num: 1

Candidate Starts for Zenitsu\_58:

(Start: 1 @38123 has 11 MA's), (2, 37952),