



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 216656 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216656 has 16 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Stuu\_24, Ashes\_23, Giorgio\_23, Beaupre\_23, Mysterium\_23, RockScotty\_23, Gumpizza\_23
- Track 2 : SpecialK\_23, Halsey\_23, Moss\_23
- Track 3 : Kalimba\_23, Sabourin\_23, Donkey\_23, Cappuccino\_23, Gambol\_23, Sooty\_23

### ***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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashes\_23, Beaupre\_23, Cappuccino\_23, Donkey\_23, Gambol\_23, Giorgio\_23, Gumpizza\_23, Halsey\_23, Kalimba\_23, Moss\_23, Mysterium\_23, RockScotty\_23, Sabourin\_23, Sooty\_23, SpecialK\_23, Stuu\_24,

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 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes\_23 (AZ5), Beaupre\_23 (AZ5), Cappuccino\_23 (AZ5), Donkey\_23 (AZ5), Gambol\_23 (AZ5), Giorgio\_23 (AZ5), Gumpizza\_23 (AZ5), Halsey\_23 (AZ5), Kalimba\_23 (AZ5), Moss\_23 (AZ5), Mysterium\_23 (AZ5), RockScotty\_23 (AZ5), Sabourin\_23 (AZ5), Sooty\_23 (AZ5), SpecialK\_23 (AZ5), Stuu\_24 (AZ5),

## Summary by clusters:

There is one cluster represented in this pham: AZ5

Info for manual annotations of cluster AZ5:

•Start number 2 was manually annotated 10 times for cluster AZ5.

### **Gene Information:**

Gene: Ashes\_23 Start: 18268, Stop: 18474, Start Num: 2

Candidate Starts for Ashes\_23:

(Start: 2 @18268 has 10 MA's), (4, 18433),

Gene: Beaupre\_23 Start: 18269, Stop: 18475, Start Num: 2

Candidate Starts for Beaupre\_23:

(Start: 2 @18269 has 10 MA's), (4, 18434),

Gene: Cappuccino\_23 Start: 18179, Stop: 18385, Start Num: 2

Candidate Starts for Cappuccino\_23:

(Start: 2 @18179 has 10 MA's), (3, 18254), (4, 18344),

Gene: Donkey\_23 Start: 18179, Stop: 18385, Start Num: 2

Candidate Starts for Donkey\_23:

(Start: 2 @18179 has 10 MA's), (3, 18254), (4, 18344),

Gene: Gambol\_23 Start: 18179, Stop: 18385, Start Num: 2

Candidate Starts for Gambol\_23:

(Start: 2 @18179 has 10 MA's), (3, 18254), (4, 18344),

Gene: Giorgio\_23 Start: 18276, Stop: 18482, Start Num: 2

Candidate Starts for Giorgio\_23:

(Start: 2 @18276 has 10 MA's), (4, 18441),

Gene: Gumpizza\_23 Start: 18269, Stop: 18475, Start Num: 2

Candidate Starts for Gumpizza\_23:

(Start: 2 @18269 has 10 MA's), (4, 18434),

Gene: Halsey\_23 Start: 18274, Stop: 18480, Start Num: 2

Candidate Starts for Halsey\_23:

(1, 18202), (Start: 2 @18274 has 10 MA's), (4, 18439),

Gene: Kalimba\_23 Start: 18180, Stop: 18386, Start Num: 2

Candidate Starts for Kalimba\_23:

(Start: 2 @18180 has 10 MA's), (3, 18255), (4, 18345),

Gene: Moss\_23 Start: 18269, Stop: 18475, Start Num: 2

Candidate Starts for Moss\_23:

(1, 18197), (Start: 2 @18269 has 10 MA's), (4, 18434),

Gene: Mysterium\_23 Start: 18269, Stop: 18475, Start Num: 2

Candidate Starts for Mysterium\_23:

(Start: 2 @18269 has 10 MA's), (4, 18434),

Gene: RockScotty\_23 Start: 18245, Stop: 18451, Start Num: 2

Candidate Starts for RockScotty\_23:

(Start: 2 @18245 has 10 MA's), (4, 18410),

Gene: Sabourin\_23 Start: 18178, Stop: 18384, Start Num: 2

Candidate Starts for Sabourin\_23:

(Start: 2 @18178 has 10 MA's), (3, 18253), (4, 18343),

Gene: Sooty\_23 Start: 18181, Stop: 18387, Start Num: 2

Candidate Starts for Sooty\_23:

(Start: 2 @18181 has 10 MA's), (3, 18256), (4, 18346),

Gene: SpecialK\_23 Start: 18176, Stop: 18382, Start Num: 2

Candidate Starts for SpecialK\_23:

(1, 18104), (Start: 2 @18176 has 10 MA's), (4, 18341),

Gene: Stuu\_24 Start: 18268, Stop: 18474, Start Num: 2

Candidate Starts for Stuu\_24:

(Start: 2 @18268 has 10 MA's), (4, 18433),