



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 209183 Report

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

Pham number 209183 has 17 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Sabourin\_62, Sooty\_57, Halsey\_57, Cappuccino\_57, Gambol\_58, Mysterium\_56, Moss\_57, Donkey\_57, SpecialK\_57, Ashes\_57, Kalimba\_57
- Track 2 : Beaupre\_60, RockScotty\_59, Giorgio\_58, Stuu\_62, Gumpizza\_58
- Track 3 : Honk\_33

### ***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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashes\_57, Beaupre\_60, Cappuccino\_57, Donkey\_57, Gambol\_58, Giorgio\_58, Gumpizza\_58, Halsey\_57, Kalimba\_57, Moss\_57, Mysterium\_56, RockScotty\_59, Sabourin\_62, Sooty\_57, SpecialK\_57, Stuu\_62,

Genes that have the "Most Annotated" start but do not call it:

- 

Genes that do not have the "Most Annotated" start:

- Honk\_33,

### **Summary by start number:**

Start 2:

- Found in 16 of 17 ( 94.1% ) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes\_57 (AZ5), Beaupre\_60 (AZ5), Cappuccino\_57 (AZ5), Donkey\_57 (AZ5), Gambol\_58 (AZ5), Giorgio\_58 (AZ5), Gumpizza\_58 (AZ5), Halsey\_57 (AZ5), Kalimba\_57 (AZ5), Moss\_57 (AZ5), Mysterium\_56 (AZ5), RockScotty\_59 (AZ5), Sabourin\_62 (AZ5), Sooty\_57 (AZ5), SpecialK\_57 (AZ5), Stuu\_62 (AZ5),

Start 3:

- Found in 1 of 17 ( 5.9% ) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk\_33 (EH),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AZ5, EH,

Info for manual annotations of cluster AZ5:

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

Info for manual annotations of cluster EH:

- Start number 3 was manually annotated 1 time for cluster EH.

### **Gene Information:**

Gene: Ashes\_57 Start: 37726, Stop: 38076, Start Num: 2

Candidate Starts for Ashes\_57:

(Start: 2 @37726 has 10 MA's), (5, 37819),

Gene: Beaupre\_60 Start: 37536, Stop: 37886, Start Num: 2

Candidate Starts for Beaupre\_60:

(1, 37308), (Start: 2 @37536 has 10 MA's), (5, 37629),

Gene: Cappuccino\_57 Start: 37588, Stop: 37926, Start Num: 2

Candidate Starts for Cappuccino\_57:

(Start: 2 @37588 has 10 MA's), (5, 37681),

Gene: Donkey\_57 Start: 37578, Stop: 37916, Start Num: 2

Candidate Starts for Donkey\_57:

(Start: 2 @37578 has 10 MA's), (5, 37671),

Gene: Gambol\_58 Start: 37597, Stop: 37935, Start Num: 2

Candidate Starts for Gambol\_58:

(Start: 2 @37597 has 10 MA's), (5, 37690),

Gene: Giorgio\_58 Start: 37519, Stop: 37869, Start Num: 2

Candidate Starts for Giorgio\_58:

(1, 37291), (Start: 2 @37519 has 10 MA's), (5, 37612),

Gene: Gumpizza\_58 Start: 37475, Stop: 37825, Start Num: 2

Candidate Starts for Gumpizza\_58:

(1, 37247), (Start: 2 @37475 has 10 MA's), (5, 37568),

Gene: Halsey\_57 Start: 37716, Stop: 38066, Start Num: 2

Candidate Starts for Halsey\_57:

(Start: 2 @37716 has 10 MA's), (5, 37809),

Gene: Honk\_33 Start: 22387, Stop: 22659, Start Num: 3

Candidate Starts for Honk\_33:

(Start: 3 @22387 has 1 MA's), (4, 22420), (6, 22528),

Gene: Kalimba\_57 Start: 37575, Stop: 37913, Start Num: 2

Candidate Starts for Kalimba\_57:

(Start: 2 @37575 has 10 MA's), (5, 37668),

Gene: Moss\_57 Start: 37663, Stop: 38013, Start Num: 2

Candidate Starts for Moss\_57:

(Start: 2 @37663 has 10 MA's), (5, 37756),

Gene: Mysterium\_56 Start: 37504, Stop: 37854, Start Num: 2

Candidate Starts for Mysterium\_56:

(Start: 2 @37504 has 10 MA's), (5, 37597),

Gene: RockScotty\_59 Start: 37499, Stop: 37849, Start Num: 2

Candidate Starts for RockScotty\_59:

(1, 37271), (Start: 2 @37499 has 10 MA's), (5, 37592),

Gene: Sabourin\_62 Start: 37576, Stop: 37914, Start Num: 2

Candidate Starts for Sabourin\_62:

(Start: 2 @37576 has 10 MA's), (5, 37669),

Gene: Sooty\_57 Start: 37590, Stop: 37928, Start Num: 2

Candidate Starts for Sooty\_57:

(Start: 2 @37590 has 10 MA's), (5, 37683),

Gene: SpecialK\_57 Start: 37572, Stop: 37922, Start Num: 2

Candidate Starts for SpecialK\_57:

(Start: 2 @37572 has 10 MA's), (5, 37665),

Gene: Stuu\_62 Start: 37681, Stop: 38031, Start Num: 2

Candidate Starts for Stuu\_62:

(1, 37453), (Start: 2 @37681 has 10 MA's), (5, 37774),