



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 221850 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221850 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),