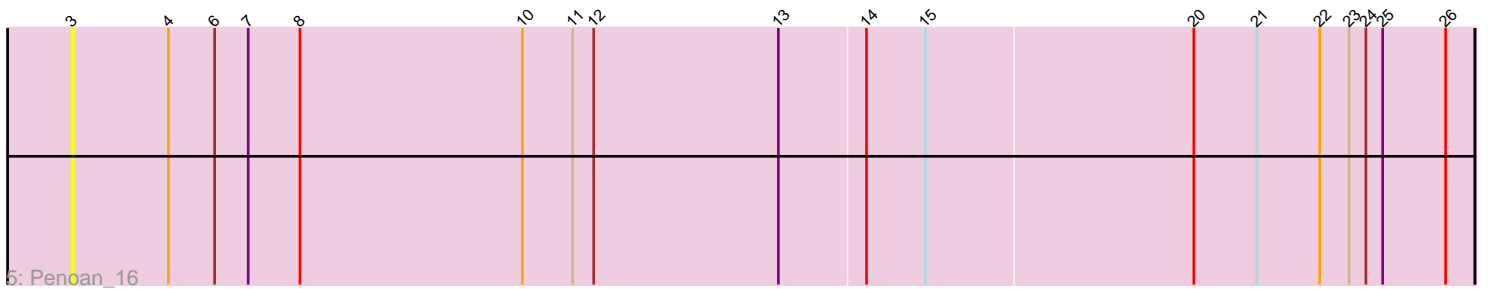
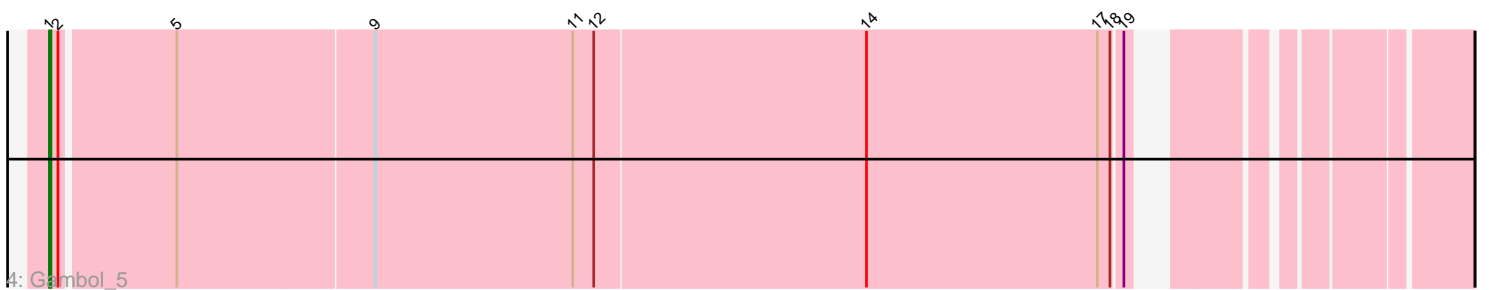
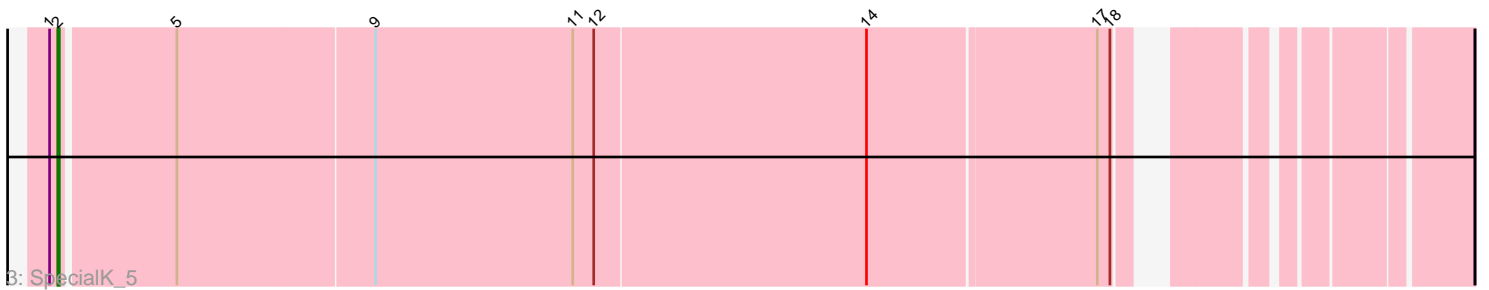
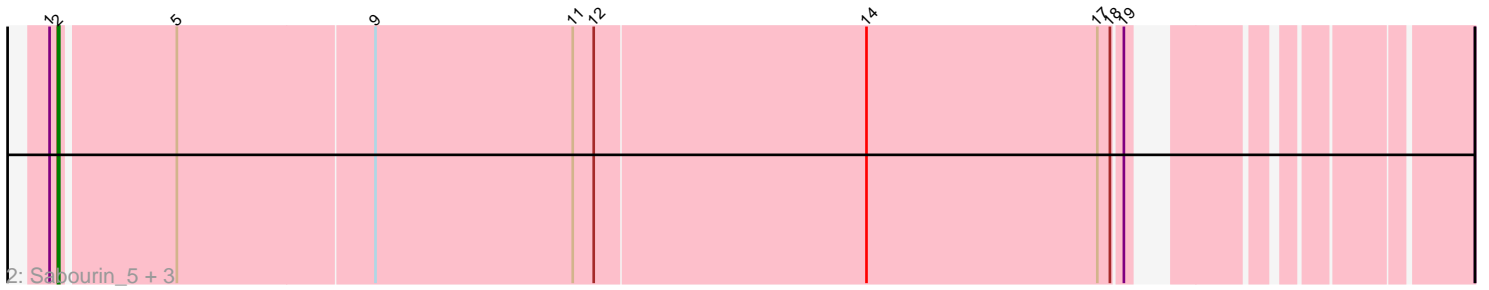
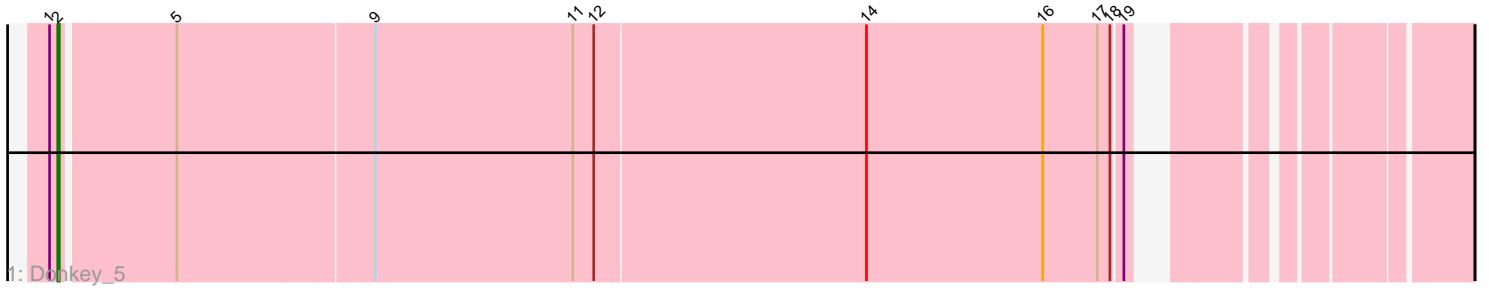


Pham 211688



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 211688 Report

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

Pham number 211688 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Donkey\_5
- Track 2 : Sabourin\_5, Cappuccino\_5, Kalimba\_5, Sooty\_5
- Track 3 : SpecialK\_5
- Track 4 : Gambol\_5
- Track 5 : Penoan\_16

### ***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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cappuccino\_5, Donkey\_5, Kalimba\_5, Sabourin\_5, Sooty\_5, SpecialK\_5,

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

- Gambol\_5,

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

- Penoan\_16,

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

Start 1:

- Found in 7 of 8 ( 87.5% ) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Gambol\_5 (AZ5),

Start 2:

- Found in 7 of 8 ( 87.5% ) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Cappuccino\_5 (AZ5), Donkey\_5 (AZ5), Kalimba\_5 (AZ5), Sabourin\_5 (AZ5), Sooty\_5 (AZ5), SpecialK\_5 (AZ5),

Start 3:

- Found in 1 of 8 ( 12.5% ) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Penoan\_16 (UNK),

**Summary by clusters:**

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

Info for manual annotations of cluster AZ5:

- Start number 1 was manually annotated 1 time for cluster AZ5.
- Start number 2 was manually annotated 5 times for cluster AZ5.

**Gene Information:**

Gene: Cappuccino\_5 Start: 4691, Stop: 5623, Start Num: 2

Candidate Starts for Cappuccino\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (17, 5420), (18, 5429), (19, 5435),

Gene: Donkey\_5 Start: 4691, Stop: 5623, Start Num: 2

Candidate Starts for Donkey\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (16, 5381), (17, 5420), (18, 5429), (19, 5435),

Gene: Gambol\_5 Start: 4685, Stop: 5623, Start Num: 1

Candidate Starts for Gambol\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (17, 5420), (18, 5429), (19, 5435),

Gene: Kalimba\_5 Start: 4691, Stop: 5623, Start Num: 2

Candidate Starts for Kalimba\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (17, 5420), (18, 5429), (19, 5435),

Gene: Penoan\_16 Start: 11184, Stop: 12179, Start Num: 3

Candidate Starts for Penoan\_16:

(3, 11184), (4, 11253), (6, 11286), (7, 11310), (8, 11346), (10, 11505), (11, 11541), (12, 11556), (13, 11688), (14, 11748), (15, 11790), (20, 11979), (21, 12024), (22, 12069), (23, 12090), (24, 12102), (25, 12114), (26, 12159),

Gene: Sabourin\_5 Start: 4691, Stop: 5623, Start Num: 2

Candidate Starts for Sabourin\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (17, 5420), (18, 5429), (19, 5435),

Gene: Sooty\_5 Start: 4691, Stop: 5623, Start Num: 2

Candidate Starts for Sooty\_5:

(Start: 1 @4685 has 1 MA's), (Start: 2 @4691 has 5 MA's), (5, 4769), (9, 4907), (11, 5048), (12, 5063), (14, 5255), (17, 5420), (18, 5429), (19, 5435),

Gene: SpecialK\_5 Start: 4695, Stop: 5621, Start Num: 2

Candidate Starts for SpecialK\_5:

(Start: 1 @4689 has 1 MA's), (Start: 2 @4695 has 5 MA's), (5, 4773), (9, 4911), (11, 5052), (12, 5067), (14, 5259), (17, 5418), (18, 5427),