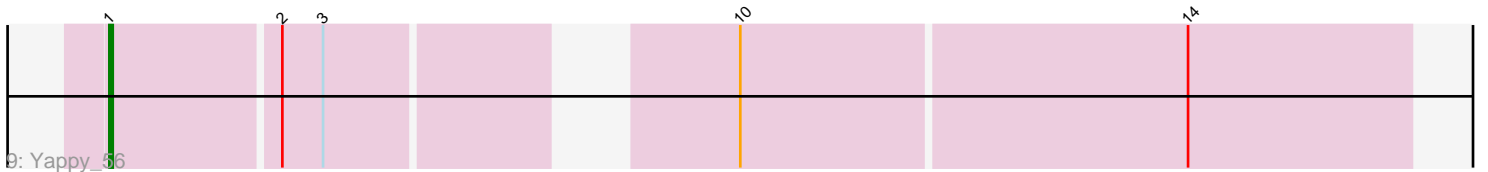
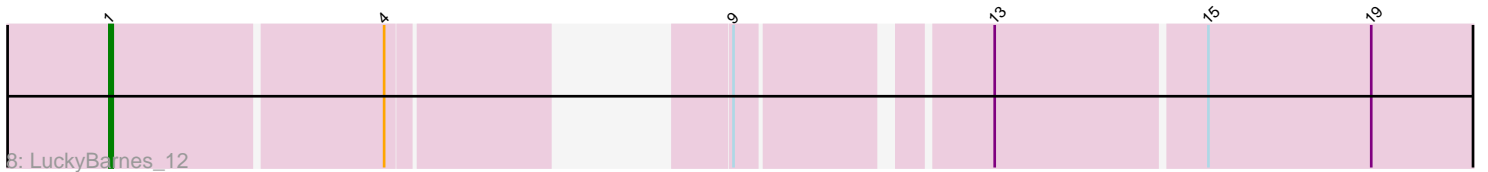
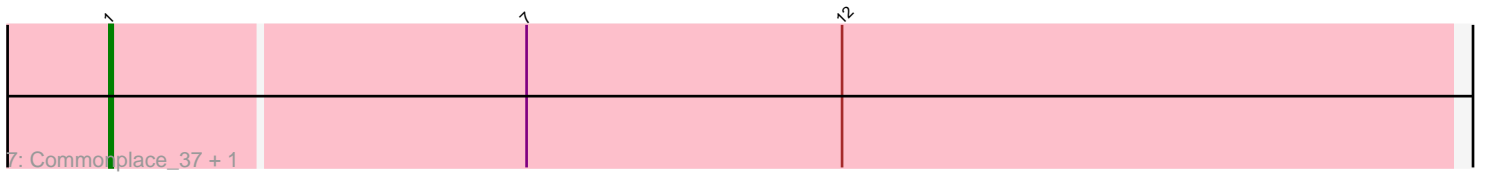
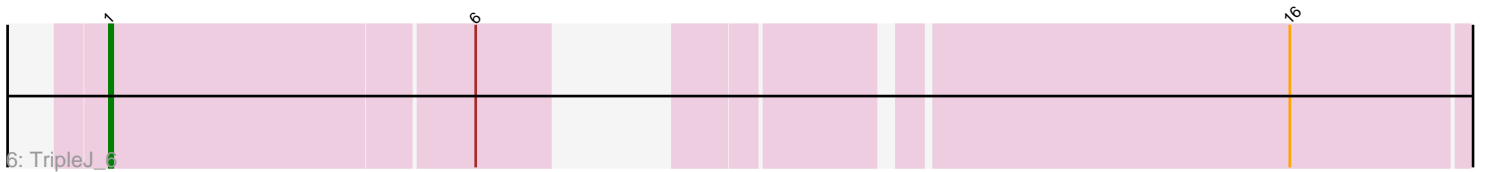
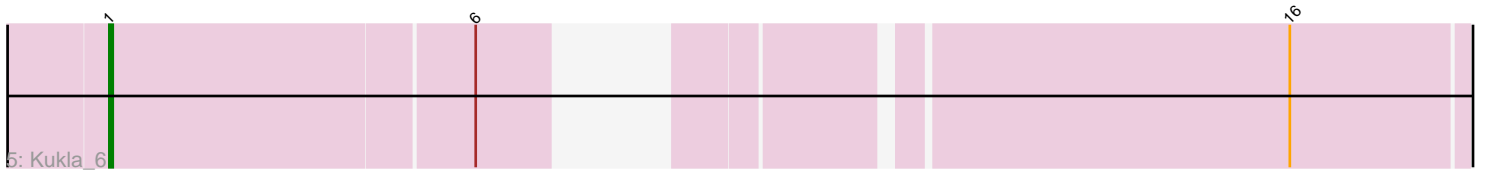
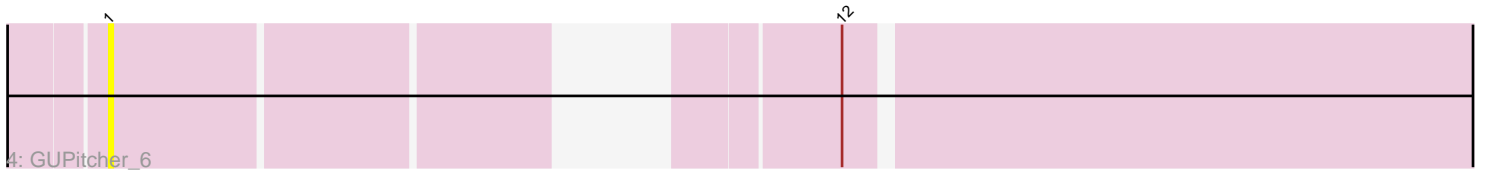
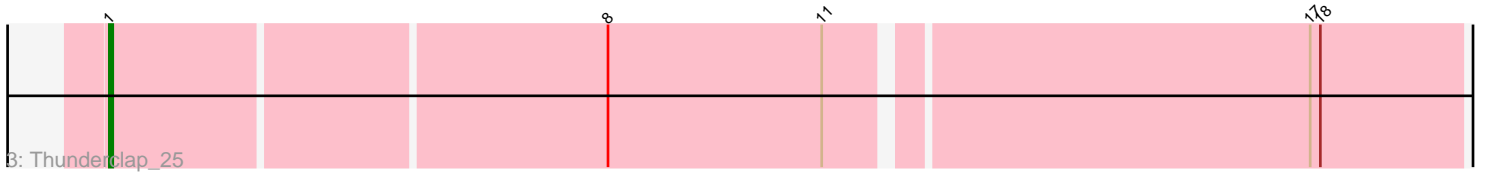
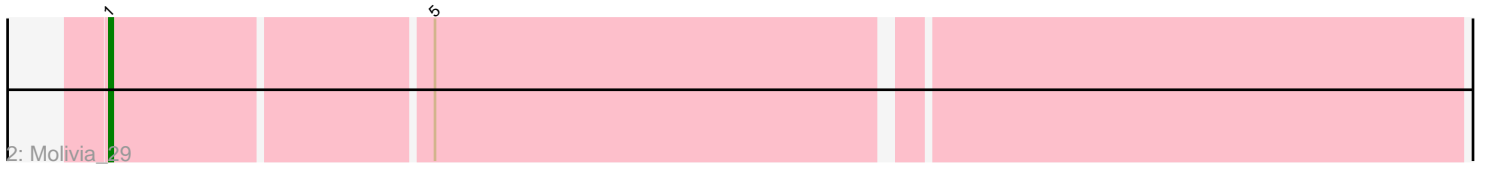
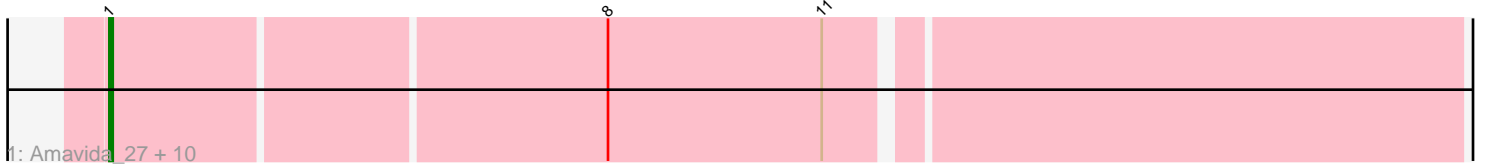


Pham 221791



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 221791 Report

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

Pham number 221791 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Amavida\_27, Yeezus\_24, Anansi\_25, Gorgeous\_25, Ichor\_24, Rings\_24, SorJuana\_25, Heylee\_27, Jaek\_24, Amigo\_25, Boersma\_26
- Track 2 : Molivia\_29
- Track 3 : Thunderclap\_25
- Track 4 : GUPitcher\_6
- Track 5 : Kukla\_6
- Track 6 : TripleJ\_6
- Track 7 : Commonplace\_37, Nonagon\_36
- Track 8 : LuckyBarnes\_12
- Track 9 : Yappy\_56

### ***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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida\_27, Amigo\_25, Anansi\_25, Boersma\_26, Commonplace\_37, GUPitcher\_6, Gorgeous\_25, Heylee\_27, Ichor\_24, Jaek\_24, Kukla\_6, LuckyBarnes\_12, Molivia\_29, Nonagon\_36, Rings\_24, SorJuana\_25, Thunderclap\_25, TripleJ\_6, Yappy\_56, Yeezus\_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 1:

- Found in 20 of 20 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Amavida\_27 (AQ), Amigo\_25 (AQ), Anansi\_25 (AQ), Boersma\_26 (AQ), Commonplace\_37 (JD), GUPitcher\_6 (FJ), Gorgeous\_25 (AQ), Heylee\_27 (AQ), Ichor\_24 (AQ), Jaek\_24 (AQ), Kukla\_6 (FJ), LuckyBarnes\_12 (singleton), Molivia\_29 (AQ), Nonagon\_36 (JD), Rings\_24 (AQ), SorJuana\_25 (AQ), Thunderclap\_25 (AQ), TripleJ\_6 (FJ), Yappy\_56 (singleton), Yeezus\_24 (AQ),

### **Summary by clusters:**

There are 4 clusters represented in this pham: AQ, JD, FJ, singleton,

Info for manual annotations of cluster AQ:

- Start number 1 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster FJ:

- Start number 1 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster JD:

- Start number 1 was manually annotated 2 times for cluster JD.

### **Gene Information:**

Gene: Amavida\_27 Start: 13028, Stop: 13411, Start Num: 1

Candidate Starts for Amavida\_27:

(Start: 1 @13028 has 19 MA's), (8, 13169), (11, 13232),

Gene: Amigo\_25 Start: 12902, Stop: 13285, Start Num: 1

Candidate Starts for Amigo\_25:

(Start: 1 @12902 has 19 MA's), (8, 13043), (11, 13106),

Gene: Anansi\_25 Start: 12911, Stop: 13294, Start Num: 1

Candidate Starts for Anansi\_25:

(Start: 1 @12911 has 19 MA's), (8, 13052), (11, 13115),

Gene: Boersma\_26 Start: 12902, Stop: 13285, Start Num: 1

Candidate Starts for Boersma\_26:

(Start: 1 @12902 has 19 MA's), (8, 13043), (11, 13106),

Gene: Commonplace\_37 Start: 17961, Stop: 18353, Start Num: 1

Candidate Starts for Commonplace\_37:

(Start: 1 @17961 has 19 MA's), (7, 18081), (12, 18174),

Gene: GUPitcher\_6 Start: 5216, Stop: 5566, Start Num: 1

Candidate Starts for GUPitcher\_6:

(Start: 1 @5216 has 19 MA's), (12, 5387),

Gene: Gorgeous\_25 Start: 12911, Stop: 13294, Start Num: 1

Candidate Starts for Gorgeous\_25:

(Start: 1 @12911 has 19 MA's), (8, 13052), (11, 13115),

Gene: Heylee\_27 Start: 13028, Stop: 13411, Start Num: 1

Candidate Starts for Heylee\_27:  
(Start: 1 @13028 has 19 MA's), (8, 13169), (11, 13232),

Gene: Ichor\_24 Start: 12902, Stop: 13285, Start Num: 1  
Candidate Starts for Ichor\_24:  
(Start: 1 @12902 has 19 MA's), (8, 13043), (11, 13106),

Gene: Jaek\_24 Start: 12902, Stop: 13285, Start Num: 1  
Candidate Starts for Jaek\_24:  
(Start: 1 @12902 has 19 MA's), (8, 13043), (11, 13106),

Gene: Kukla\_6 Start: 5268, Stop: 5615, Start Num: 1  
Candidate Starts for Kukla\_6:  
(Start: 1 @5268 has 19 MA's), (6, 5373), (16, 5565),

Gene: LuckyBarnes\_12 Start: 8066, Stop: 8413, Start Num: 1  
Candidate Starts for LuckyBarnes\_12:  
(Start: 1 @8066 has 19 MA's), (4, 8144), (9, 8207), (13, 8273), (15, 8333), (19, 8381),

Gene: Molivia\_29 Start: 13194, Stop: 13577, Start Num: 1  
Candidate Starts for Molivia\_29:  
(Start: 1 @13194 has 19 MA's), (5, 13284),

Gene: Nonagon\_36 Start: 17661, Stop: 18053, Start Num: 1  
Candidate Starts for Nonagon\_36:  
(Start: 1 @17661 has 19 MA's), (7, 17781), (12, 17874),

Gene: Rings\_24 Start: 13033, Stop: 13416, Start Num: 1  
Candidate Starts for Rings\_24:  
(Start: 1 @13033 has 19 MA's), (8, 13174), (11, 13237),

Gene: SorJuana\_25 Start: 12911, Stop: 13294, Start Num: 1  
Candidate Starts for SorJuana\_25:  
(Start: 1 @12911 has 19 MA's), (8, 13052), (11, 13115),

Gene: Thunderclap\_25 Start: 12931, Stop: 13314, Start Num: 1  
Candidate Starts for Thunderclap\_25:  
(Start: 1 @12931 has 19 MA's), (8, 13072), (11, 13135), (17, 13270), (18, 13273),

Gene: TripleJ\_6 Start: 5557, Stop: 5904, Start Num: 1  
Candidate Starts for TripleJ\_6:  
(Start: 1 @5557 has 19 MA's), (6, 5662), (16, 5854),

Gene: Yappy\_56 Start: 18789, Stop: 19139, Start Num: 1  
Candidate Starts for Yappy\_56:  
(Start: 1 @18789 has 19 MA's), (2, 18837), (3, 18849), (10, 18945), (14, 19074),

Gene: Yeezus\_24 Start: 12901, Stop: 13284, Start Num: 1  
Candidate Starts for Yeezus\_24:  
(Start: 1 @12901 has 19 MA's), (8, 13042), (11, 13105),