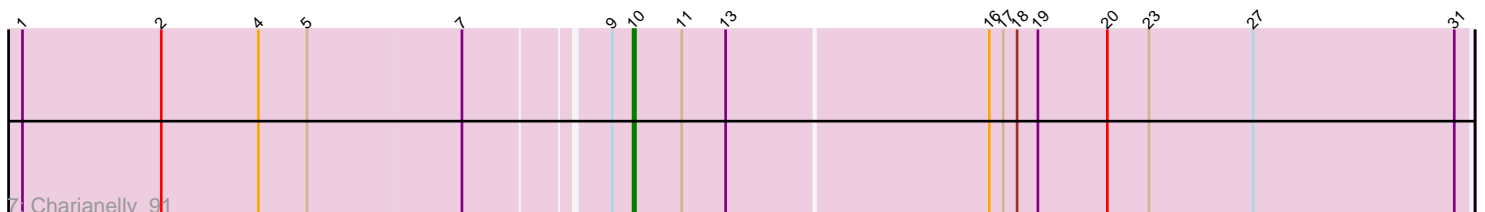
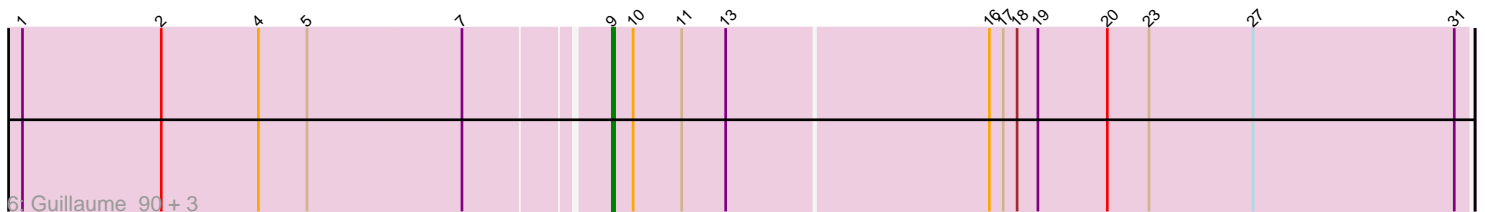
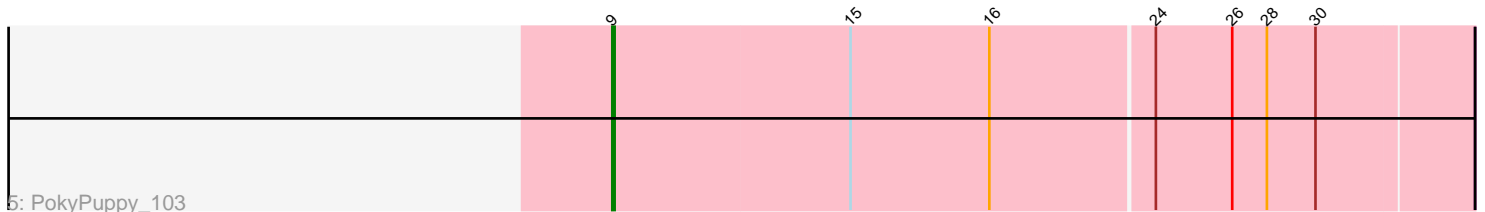
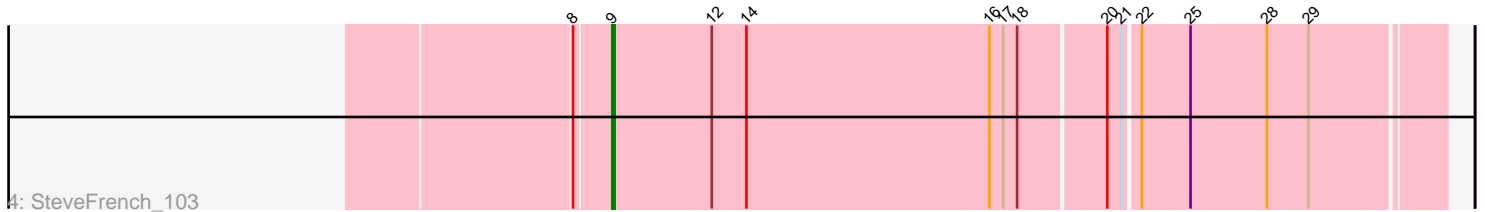
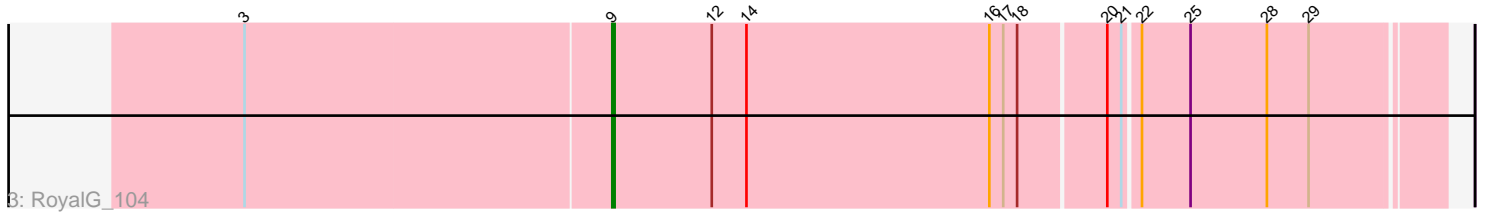
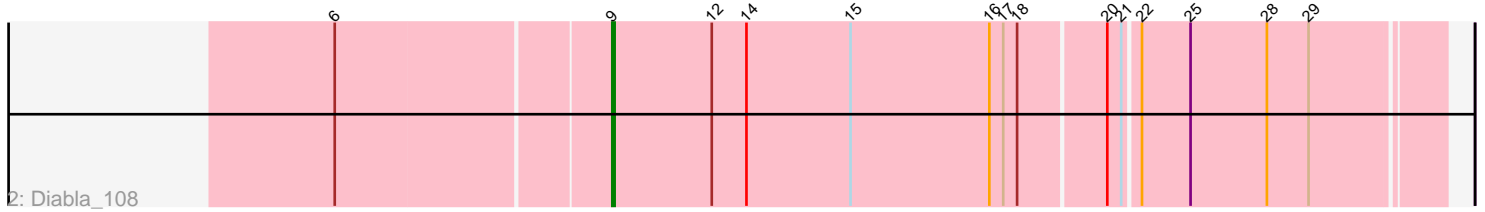
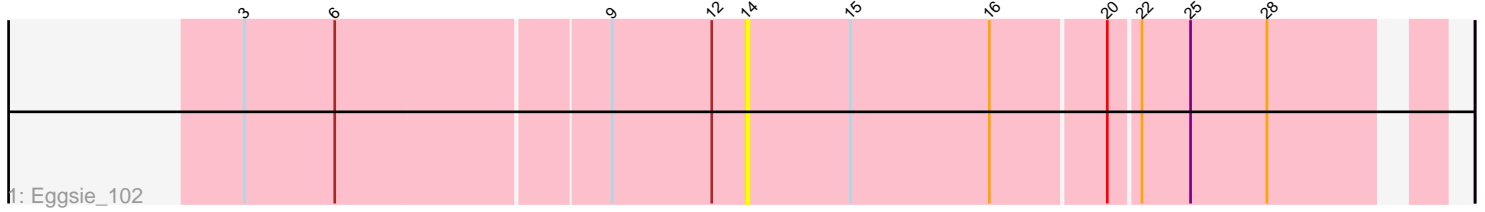


# Pham 171949



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 171949 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171949 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Eggsie\_102
- Track 2 : Diabla\_108
- Track 3 : RoyalG\_104
- Track 4 : SteveFrench\_103
- Track 5 : PokyPuppy\_103
- Track 6 : Guillaume\_90, Anamika\_90, Nimi13\_90, Bianmat\_91
- Track 7 : Charianelly\_91

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 9, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anamika\_90, Bianmat\_91, Diabla\_108, Guillaume\_90, Nimi13\_90, PokyPuppy\_103, RoyalG\_104, SteveFrench\_103,

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

- Charianelly\_91, Eggsie\_102,

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

- 

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

Start 9:

- Found in 10 of 10 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Anamika\_90 (CS3), Bianmat\_91 (CS3), Diabla\_108 (CS2), Guillaume\_90 (CS3), Nimi13\_90 (CS3), PokyPuppy\_103 (CS2), RoyalG\_104 (CS2), SteveFrench\_103 (CS2),

Start 10:

- Found in 5 of 10 ( 50.0% ) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Charianelly\_91 (CS3),

Start 14:

- Found in 4 of 10 ( 40.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Eggsie\_102 (CS2),

### **Summary by clusters:**

There are 2 clusters represented in this pham: CS3, CS2,

Info for manual annotations of cluster CS2:

- Start number 9 was manually annotated 4 times for cluster CS2.

Info for manual annotations of cluster CS3:

- Start number 9 was manually annotated 4 times for cluster CS3.
- Start number 10 was manually annotated 1 time for cluster CS3.

### **Gene Information:**

Gene: Anamika\_90 Start: 71196, Stop: 70831, Start Num: 9

Candidate Starts for Anamika\_90:

(1, 71442), (2, 71382), (4, 71340), (5, 71319), (7, 71253), (Start: 9 @71196 has 8 MA's), (Start: 10 @71187 has 1 MA's), (11, 71166), (13, 71148), (16, 71037), (17, 71031), (18, 71025), (19, 71016), (20, 70986), (23, 70968), (27, 70923), (31, 70836),

Gene: Bianmat\_91 Start: 71208, Stop: 70843, Start Num: 9

Candidate Starts for Bianmat\_91:

(1, 71454), (2, 71394), (4, 71352), (5, 71331), (7, 71265), (Start: 9 @71208 has 8 MA's), (Start: 10 @71199 has 1 MA's), (11, 71178), (13, 71160), (16, 71049), (17, 71043), (18, 71037), (19, 71028), (20, 70998), (23, 70980), (27, 70935), (31, 70848),

Gene: Charianelly\_91 Start: 70912, Stop: 70556, Start Num: 10

Candidate Starts for Charianelly\_91:

(1, 71167), (2, 71107), (4, 71065), (5, 71044), (7, 70978), (Start: 9 @70921 has 8 MA's), (Start: 10 @70912 has 1 MA's), (11, 70891), (13, 70873), (16, 70762), (17, 70756), (18, 70750), (19, 70741), (20, 70711), (23, 70693), (27, 70648), (31, 70561),

Gene: Diabla\_108 Start: 74198, Stop: 73851, Start Num: 9

Candidate Starts for Diabla\_108:

(6, 74312), (Start: 9 @74198 has 8 MA's), (12, 74156), (14, 74141), (15, 74096), (16, 74036), (17, 74030), (18, 74024), (20, 73988), (21, 73982), (22, 73976), (25, 73955), (28, 73922), (29, 73904),

Gene: Eggsie\_102 Start: 72021, Stop: 71740, Start Num: 14

Candidate Starts for Eggsie\_102:

(3, 72231), (6, 72192), (Start: 9 @72078 has 8 MA's), (12, 72036), (14, 72021), (15, 71976), (16, 71916), (20, 71868), (22, 71856), (25, 71835), (28, 71802),

Gene: Guillaume\_90 Start: 70929, Stop: 70564, Start Num: 9

Candidate Starts for Guillaume\_90:

(1, 71175), (2, 71115), (4, 71073), (5, 71052), (7, 70986), (Start: 9 @70929 has 8 MA's), (Start: 10 @70920 has 1 MA's), (11, 70899), (13, 70881), (16, 70770), (17, 70764), (18, 70758), (19, 70749), (20, 70719), (23, 70701), (27, 70656), (31, 70569),

Gene: Nimi13\_90 Start: 70919, Stop: 70554, Start Num: 9

Candidate Starts for Nimi13\_90:

(1, 71165), (2, 71105), (4, 71063), (5, 71042), (7, 70976), (Start: 9 @70919 has 8 MA's), (Start: 10 @70910 has 1 MA's), (11, 70889), (13, 70871), (16, 70760), (17, 70754), (18, 70748), (19, 70739), (20, 70709), (23, 70691), (27, 70646), (31, 70559),

Gene: PokyPuppy\_103 Start: 74424, Stop: 74059, Start Num: 9

Candidate Starts for PokyPuppy\_103:

(Start: 9 @74424 has 8 MA's), (15, 74322), (16, 74262), (24, 74193), (26, 74160), (28, 74145), (30, 74124),

Gene: RoyalG\_104 Start: 73228, Stop: 72881, Start Num: 9

Candidate Starts for RoyalG\_104:

(3, 73384), (Start: 9 @73228 has 8 MA's), (12, 73186), (14, 73171), (16, 73066), (17, 73060), (18, 73054), (20, 73018), (21, 73012), (22, 73006), (25, 72985), (28, 72952), (29, 72934),

Gene: SteveFrench\_103 Start: 73467, Stop: 73120, Start Num: 9

Candidate Starts for SteveFrench\_103:

(8, 73482), (Start: 9 @73467 has 8 MA's), (12, 73425), (14, 73410), (16, 73305), (17, 73299), (18, 73293), (20, 73257), (21, 73251), (22, 73245), (25, 73224), (28, 73191), (29, 73173),