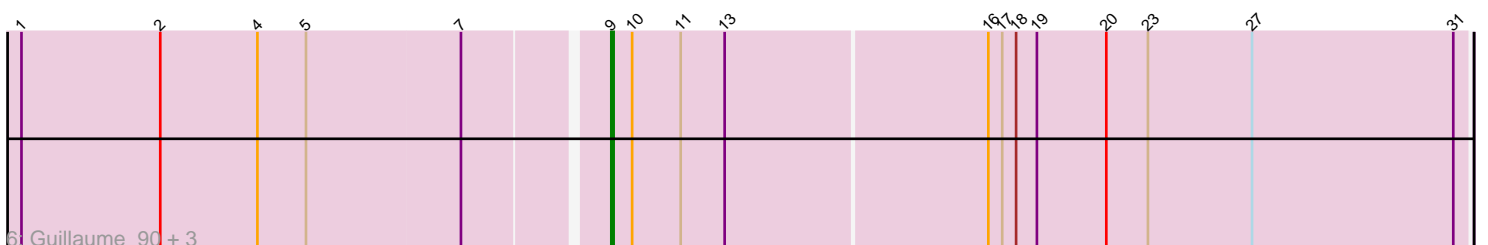
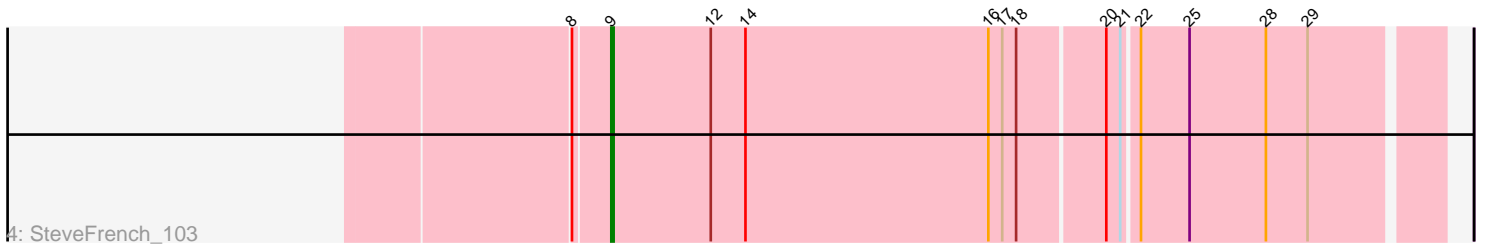
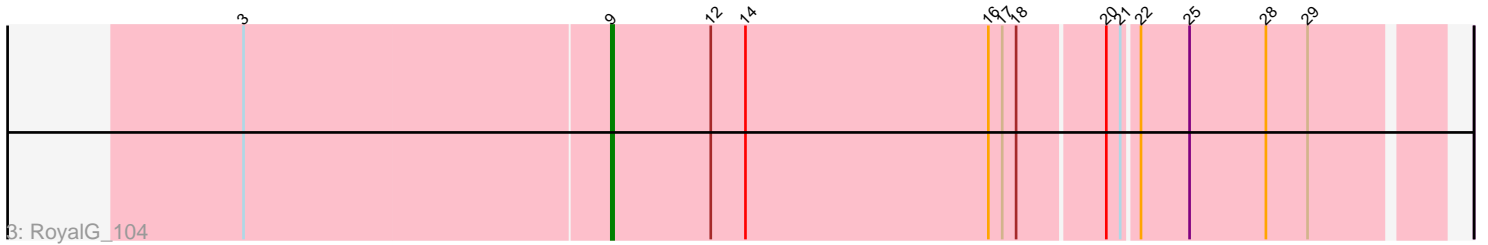
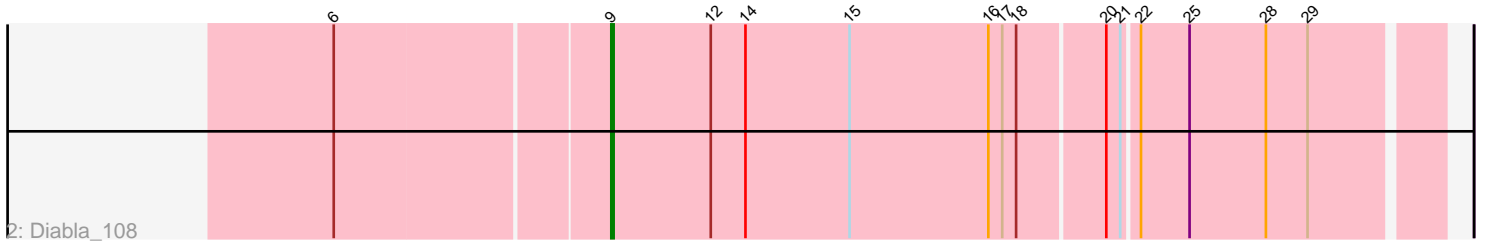
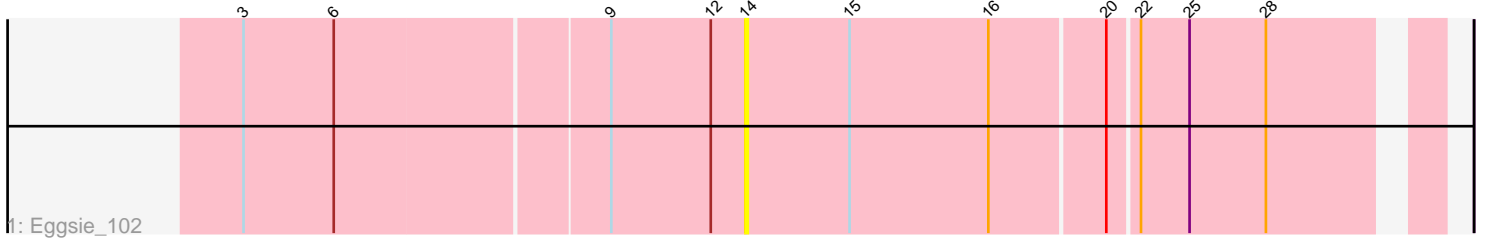


# Pham 159599



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 159599 Report

This analysis was run 04/28/24 on database version 559.

Pham number 159599 has 9 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

### ***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 8 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:

- Eggsie\_102,

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

- 

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

Start 9:

- Found in 9 of 9 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 88.9% 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 14:

- Found in 4 of 9 ( 44.4% ) 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.

### **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), (10, 71187), (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), (10, 71199), (11, 71178), (13, 71160), (16, 71049), (17, 71043), (18, 71037), (19, 71028), (20, 70998), (23, 70980), (27, 70935), (31, 70848),

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), (10, 70920), (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), (10, 70910), (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),