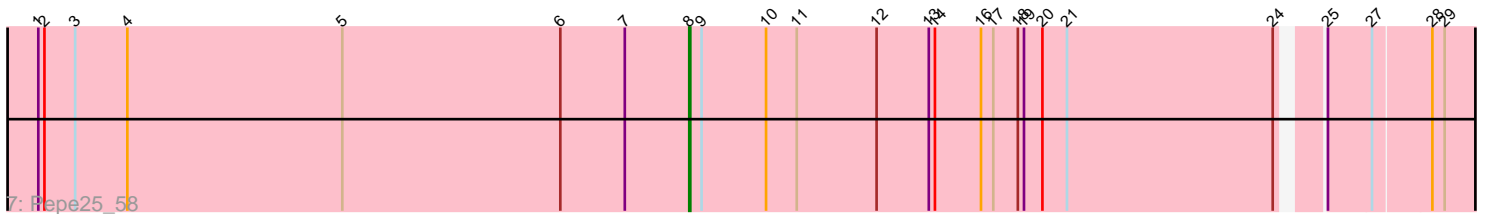
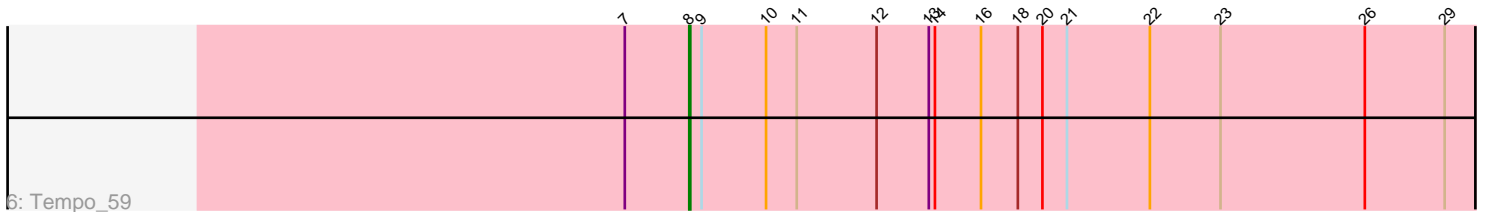
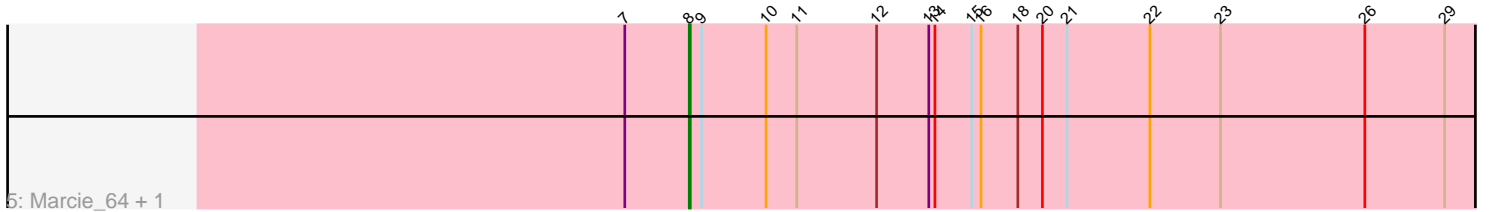
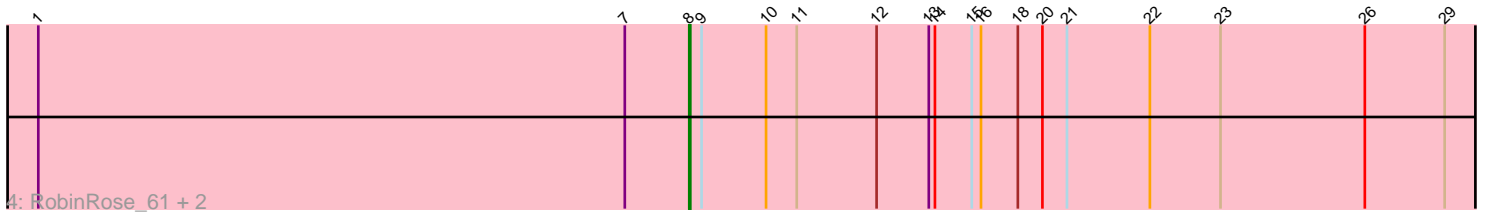
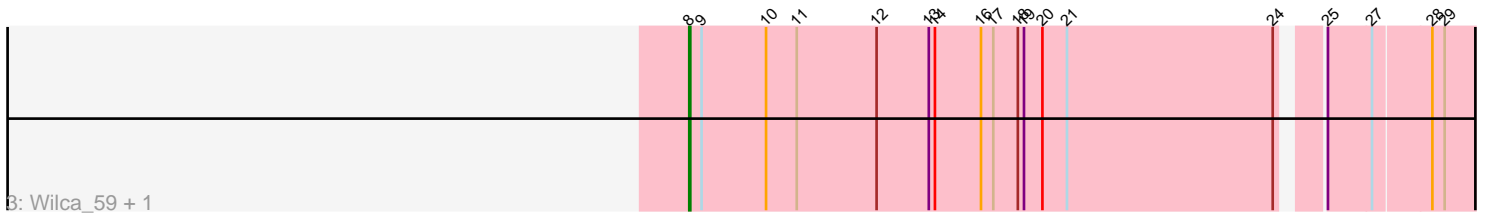
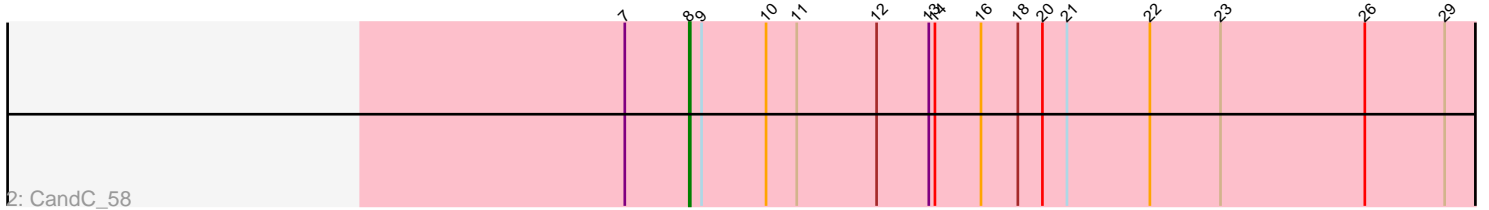
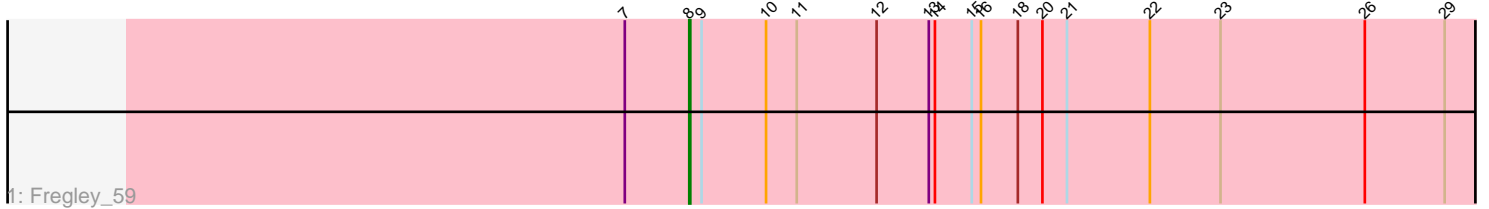


# Pham 214843



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 214843 Report

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

Pham number 214843 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Fregley\_59
- Track 2 : CandC\_58
- Track 3 : Wilca\_59, BirdInFrench\_59
- Track 4 : RobinRose\_61, Kelcole\_57, Romm\_61
- Track 5 : Marcie\_64, OneinaGillian\_59
- Track 6 : Tempo\_59
- Track 7 : Pepe25\_58

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

The start number called the most often in the published annotations is 8, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdInFrench\_59, CandC\_58, Fregley\_59, Kelcole\_57, Marcie\_64, OneinaGillian\_59, Pepe25\_58, RobinRose\_61, Romm\_61, Tempo\_59, Wilca\_59,

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 8:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench\_59 (EG), CandC\_58 (EG), Fregley\_59 (EG), Kelcole\_57 (EG), Marcie\_64 (EG), OneinaGillian\_59 (EG), Pepe25\_58 (EG), RobinRose\_61 (EG), Romm\_61 (EG), Tempo\_59 (EG), Wilca\_59 (EG),

## Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 8 was manually annotated 10 times for cluster EG.

### **Gene Information:**

Gene: BirdInFrench\_59 Start: 41149, Stop: 40379, Start Num: 8

Candidate Starts for BirdInFrench\_59:

(Start: 8 @41149 has 10 MA's), (9, 41137), (10, 41074), (11, 41044), (12, 40966), (13, 40915), (14, 40909), (16, 40864), (17, 40852), (18, 40828), (19, 40822), (20, 40804), (21, 40780), (24, 40579), (25, 40549), (27, 40507), (28, 40453), (29, 40441),

Gene: CandC\_58 Start: 40798, Stop: 39998, Start Num: 8

Candidate Starts for CandC\_58:

(7, 40861), (Start: 8 @40798 has 10 MA's), (9, 40786), (10, 40723), (11, 40693), (12, 40615), (13, 40564), (14, 40558), (16, 40513), (18, 40477), (20, 40453), (21, 40429), (22, 40348), (23, 40279), (26, 40138), (29, 40060),

Gene: Fregley\_59 Start: 41063, Stop: 40263, Start Num: 8

Candidate Starts for Fregley\_59:

(7, 41126), (Start: 8 @41063 has 10 MA's), (9, 41051), (10, 40988), (11, 40958), (12, 40880), (13, 40829), (14, 40823), (15, 40787), (16, 40778), (18, 40742), (20, 40718), (21, 40694), (22, 40613), (23, 40544), (26, 40403), (29, 40325),

Gene: Kelcole\_57 Start: 41026, Stop: 40226, Start Num: 8

Candidate Starts for Kelcole\_57:

(1, 41662), (7, 41089), (Start: 8 @41026 has 10 MA's), (9, 41014), (10, 40951), (11, 40921), (12, 40843), (13, 40792), (14, 40786), (15, 40750), (16, 40741), (18, 40705), (20, 40681), (21, 40657), (22, 40576), (23, 40507), (26, 40366), (29, 40288),

Gene: Marcie\_64 Start: 41925, Stop: 41125, Start Num: 8

Candidate Starts for Marcie\_64:

(7, 41988), (Start: 8 @41925 has 10 MA's), (9, 41913), (10, 41850), (11, 41820), (12, 41742), (13, 41691), (14, 41685), (15, 41649), (16, 41640), (18, 41604), (20, 41580), (21, 41556), (22, 41475), (23, 41406), (26, 41265), (29, 41187),

Gene: OneinaGillian\_59 Start: 40928, Stop: 40128, Start Num: 8

Candidate Starts for OneinaGillian\_59:

(7, 40991), (Start: 8 @40928 has 10 MA's), (9, 40916), (10, 40853), (11, 40823), (12, 40745), (13, 40694), (14, 40688), (15, 40652), (16, 40643), (18, 40607), (20, 40583), (21, 40559), (22, 40478), (23, 40409), (26, 40268), (29, 40190),

Gene: Pepe25\_58 Start: 40459, Stop: 39689, Start Num: 8

Candidate Starts for Pepe25\_58:

(1, 41095), (2, 41089), (3, 41059), (4, 41008), (5, 40798), (6, 40585), (7, 40522), (Start: 8 @40459 has 10 MA's), (9, 40447), (10, 40384), (11, 40354), (12, 40276), (13, 40225), (14, 40219), (16, 40174), (17, 40162), (18, 40138), (19, 40132), (20, 40114), (21, 40090), (24, 39889), (25, 39859), (27, 39817), (28, 39763), (29, 39751),

Gene: RobinRose\_61 Start: 41440, Stop: 40640, Start Num: 8

Candidate Starts for RobinRose\_61:

(1, 42076), (7, 41503), (Start: 8 @41440 has 10 MA's), (9, 41428), (10, 41365), (11, 41335), (12, 41257), (13, 41206), (14, 41200), (15, 41164), (16, 41155), (18, 41119), (20, 41095), (21, 41071), (22, 40990), (23, 40921), (26, 40780), (29, 40702),

Gene: Romm\_61 Start: 41437, Stop: 40637, Start Num: 8

Candidate Starts for Romm\_61:

(1, 42073), (7, 41500), (Start: 8 @41437 has 10 MA's), (9, 41425), (10, 41362), (11, 41332), (12, 41254), (13, 41203), (14, 41197), (15, 41161), (16, 41152), (18, 41116), (20, 41092), (21, 41068), (22, 40987), (23, 40918), (26, 40777), (29, 40699),

Gene: Tempo\_59 Start: 41305, Stop: 40505, Start Num: 8

Candidate Starts for Tempo\_59:

(7, 41368), (Start: 8 @41305 has 10 MA's), (9, 41293), (10, 41230), (11, 41200), (12, 41122), (13, 41071), (14, 41065), (16, 41020), (18, 40984), (20, 40960), (21, 40936), (22, 40855), (23, 40786), (26, 40645), (29, 40567),

Gene: Wilca\_59 Start: 41149, Stop: 40379, Start Num: 8

Candidate Starts for Wilca\_59:

(Start: 8 @41149 has 10 MA's), (9, 41137), (10, 41074), (11, 41044), (12, 40966), (13, 40915), (14, 40909), (16, 40864), (17, 40852), (18, 40828), (19, 40822), (20, 40804), (21, 40780), (24, 40579), (25, 40549), (27, 40507), (28, 40453), (29, 40441),