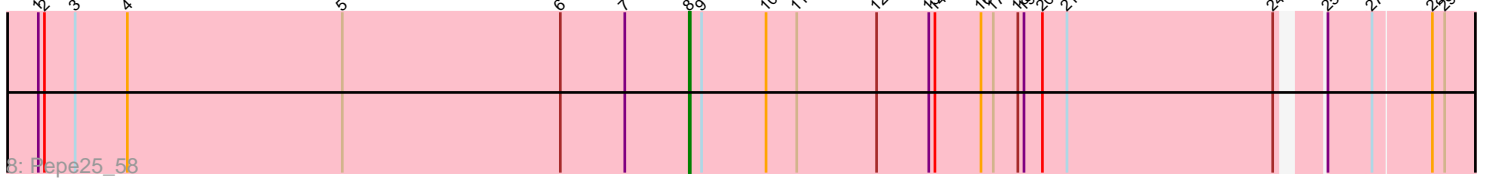
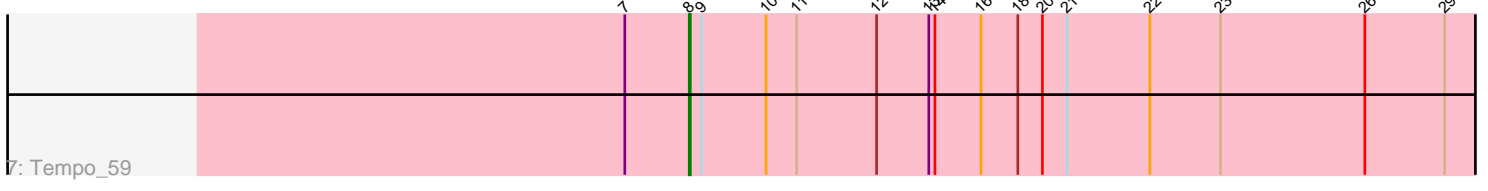
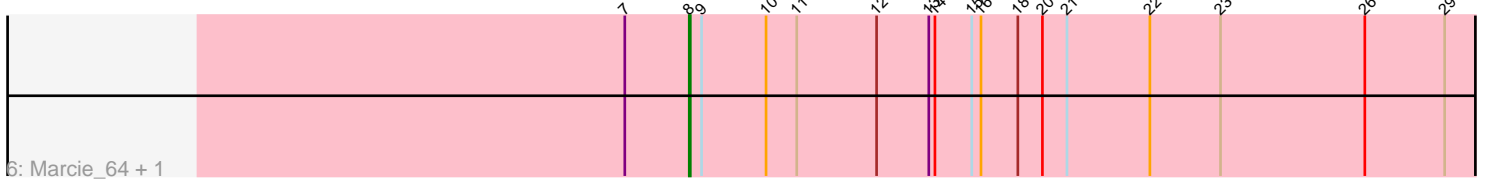
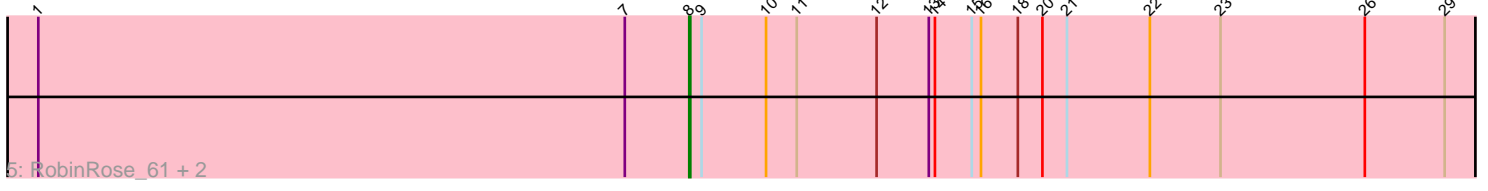
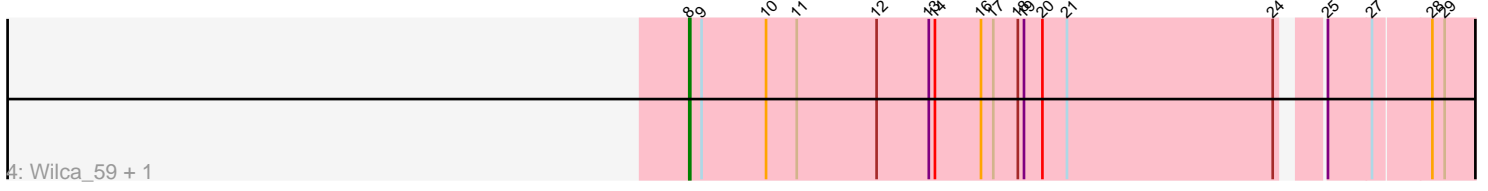
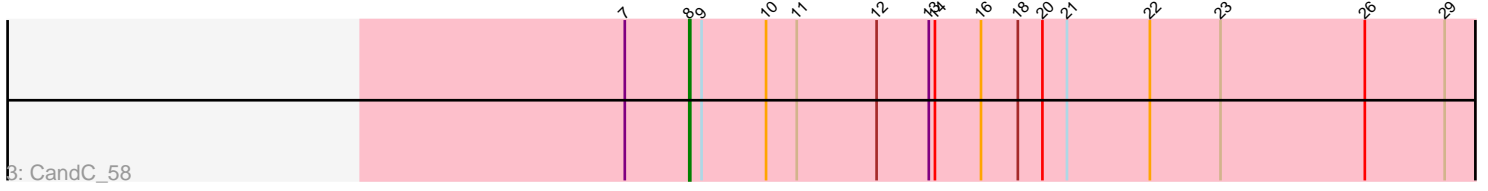
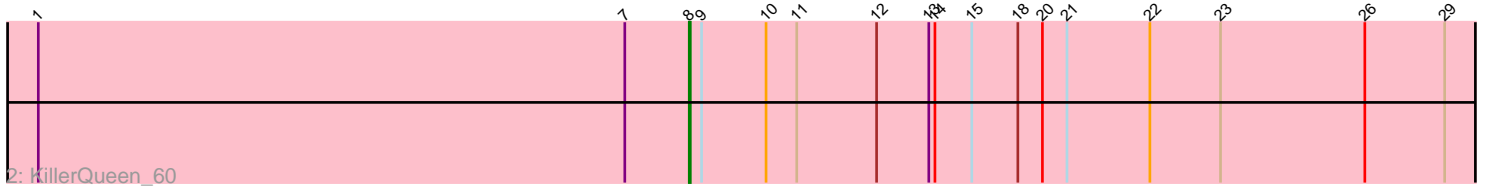
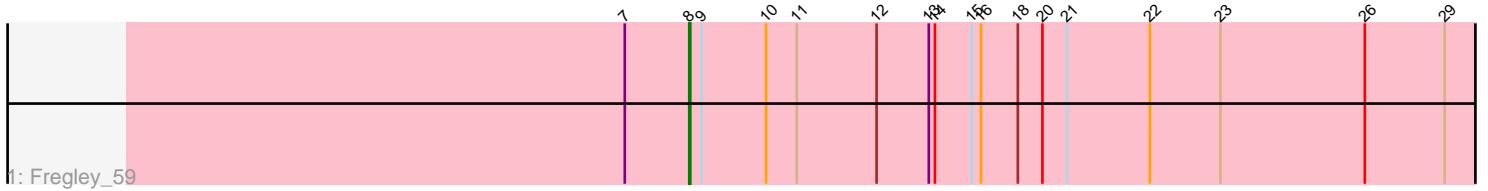


Pham 298973



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 298973 Report

This analysis was run 06/08/26 on database version 649.

Pham number 298973 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Fregley_59
- Track 2 : KillerQueen_60
- Track 3 : CandC_58
- Track 4 : Wilca_59, BirdInFrench_59
- Track 5 : RobinRose_61, Kelcole_57, Romm_61
- Track 6 : Marcie_64, OneinaGillian_59
- Track 7 : Tempo_59
- Track 8 : 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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdInFrench_59, CandC_58, Fregley_59, Kelcole_57, KillerQueen_60, 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 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- 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), KillerQueen_60 (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 11 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 11 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 11 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 11 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 11 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: KillerQueen_60 Start: 41276, Stop: 40476, Start Num: 8

Candidate Starts for KillerQueen_60:

(1, 41912), (7, 41339), (Start: 8 @41276 has 11 MA's), (9, 41264), (10, 41201), (11, 41171), (12, 41093), (13, 41042), (14, 41036), (15, 41000), (18, 40955), (20, 40931), (21, 40907), (22, 40826), (23, 40757), (26, 40616), (29, 40538),

Gene: Marcie_64 Start: 41925, Stop: 41125, Start Num: 8

Candidate Starts for Marcie_64:

(7, 41988), (Start: 8 @41925 has 11 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 11 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 11 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 11 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 11 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 11 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 11 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),