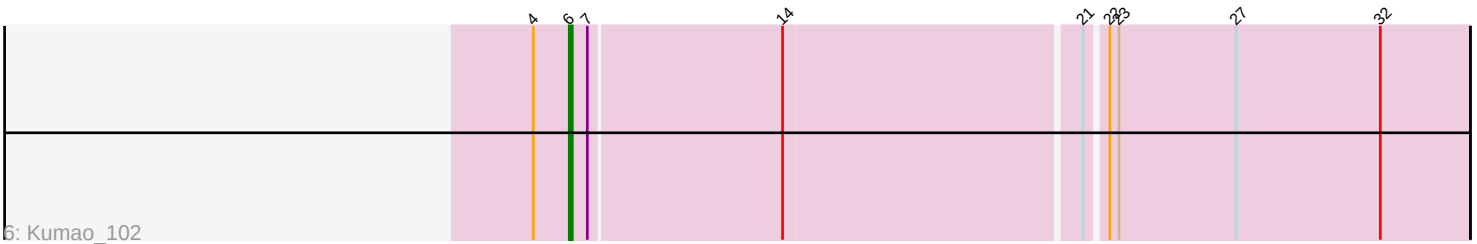
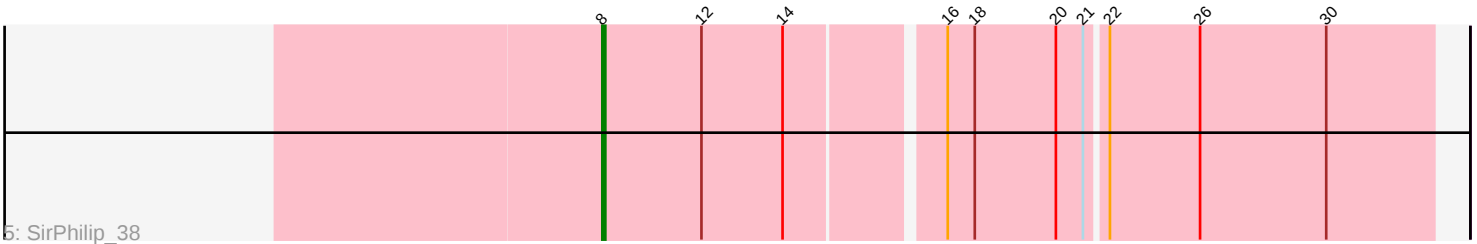
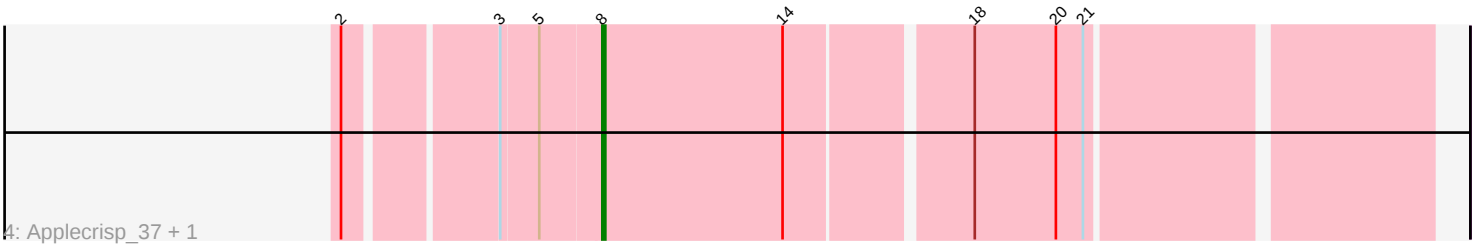
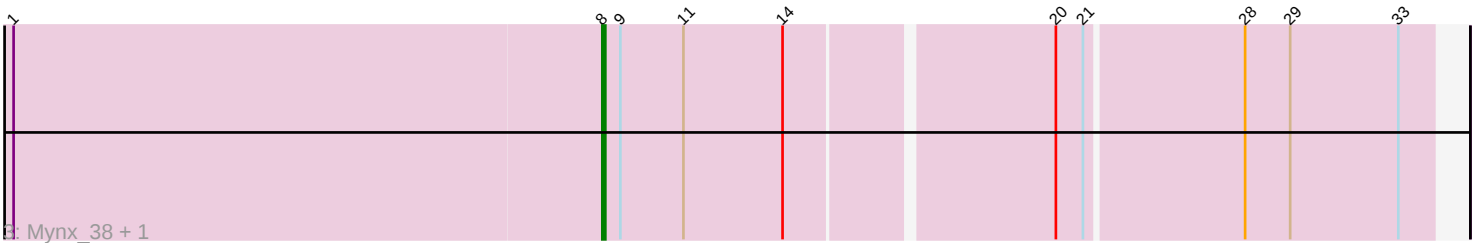
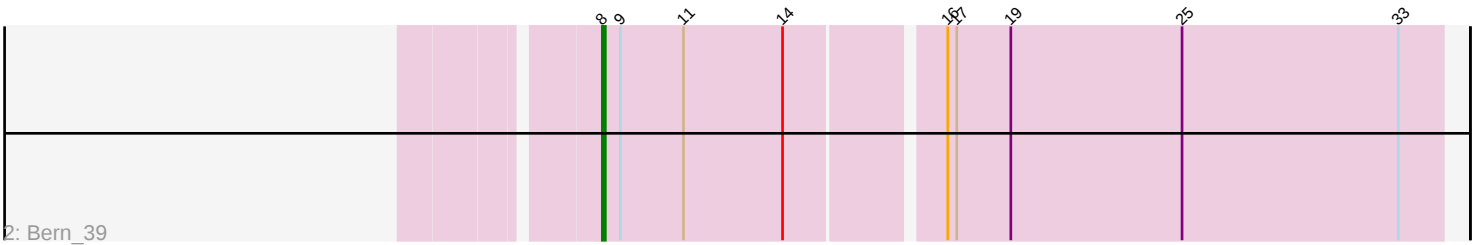
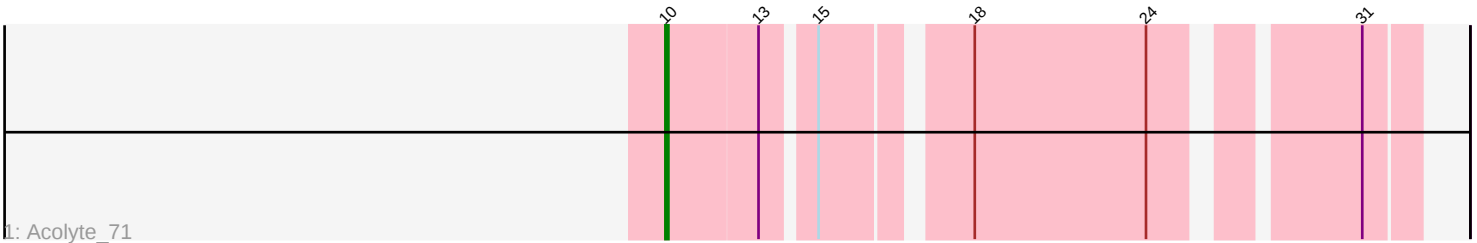


Pham 309946



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 309946 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309946 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Acolyte_71
- Track 2 : Bern_39
- Track 3 : Mynx_38, Zavala_38
- Track 4 : Applecrisp_37, Ellie_36
- Track 5 : SirPhilip_38
- Track 6 : Kumao_102

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Applecrisp_37, Bern_39, Ellie_36, Mynx_38, SirPhilip_38, Zavala_38,

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

-

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

- Acolyte_71, Kumao_102,

Summary by start number:

Start 6:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_102 (singleton),

Start 8:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Applecrisp_37 (K6), Bern_39 (K1), Ellie_36 (K6), Mynx_38 (K1), SirPhilip_38 (K6), Zavala_38 (K1),

Start 10:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_71 (A2),

Summary by clusters:

There are 4 clusters represented in this pham: K1, A2, K6, singleton,

Info for manual annotations of cluster A2:

- Start number 10 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster K1:

- Start number 8 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K6:

- Start number 8 was manually annotated 3 times for cluster K6.

Gene Information:

Gene: Acolyte_71 Start: 45126, Stop: 44908, Start Num: 10

Candidate Starts for Acolyte_71:

(Start: 10 @45126 has 1 MA's), (13, 45096), (15, 45081), (18, 45039), (24, 44982), (31, 44925),

Gene: Applecrisp_37 Start: 30938, Stop: 31198, Start Num: 8

Candidate Starts for Applecrisp_37:

(2, 30863), (3, 30908), (5, 30920), (Start: 8 @30938 has 6 MA's), (14, 30998), (18, 31055), (20, 31082), (21, 31091),

Gene: Bern_39 Start: 30449, Stop: 30721, Start Num: 8

Candidate Starts for Bern_39:

(Start: 8 @30449 has 6 MA's), (9, 30455), (11, 30476), (14, 30509), (16, 30557), (17, 30560), (19, 30578), (25, 30635), (33, 30707),

Gene: Ellie_36 Start: 30629, Stop: 30889, Start Num: 8

Candidate Starts for Ellie_36:

(2, 30554), (3, 30599), (5, 30611), (Start: 8 @30629 has 6 MA's), (14, 30689), (18, 30746), (20, 30773), (21, 30782),

Gene: Kumao_102 Start: 63074, Stop: 62784, Start Num: 6

Candidate Starts for Kumao_102:

(4, 63086), (Start: 6 @63074 has 1 MA's), (7, 63068), (14, 63005), (21, 62909), (22, 62903), (23, 62900), (27, 62861), (32, 62813),

Gene: Mynx_38 Start: 30479, Stop: 30745, Start Num: 8

Candidate Starts for Mynx_38:

(1, 30284), (Start: 8 @30479 has 6 MA's), (9, 30485), (11, 30506), (14, 30539), (20, 30623), (21, 30632), (28, 30683), (29, 30698), (33, 30734),

Gene: SirPhilip_38 Start: 29401, Stop: 29667, Start Num: 8

Candidate Starts for SirPhilip_38:

(Start: 8 @29401 has 6 MA's), (12, 29434), (14, 29461), (16, 29509), (18, 29518), (20, 29545), (21, 29554), (22, 29560), (26, 29590), (30, 29632),

Gene: Zavala_38 Start: 30438, Stop: 30704, Start Num: 8

Candidate Starts for Zavala_38:

(1, 30243), (Start: 8 @30438 has 6 MA's), (9, 30444), (11, 30465), (14, 30498), (20, 30582), (21, 30591), (28, 30642), (29, 30657), (33, 30693),