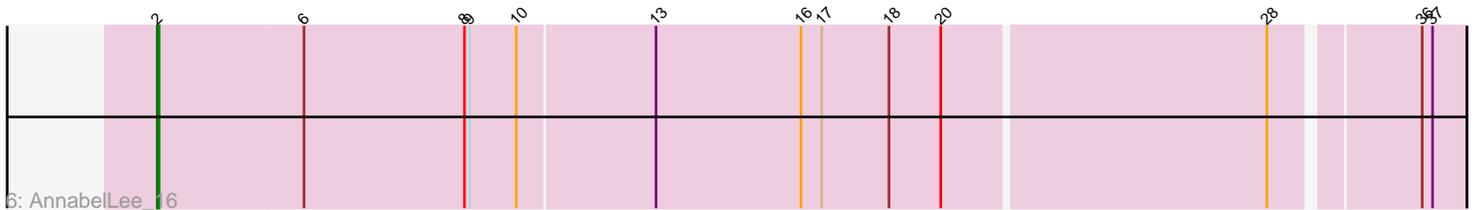
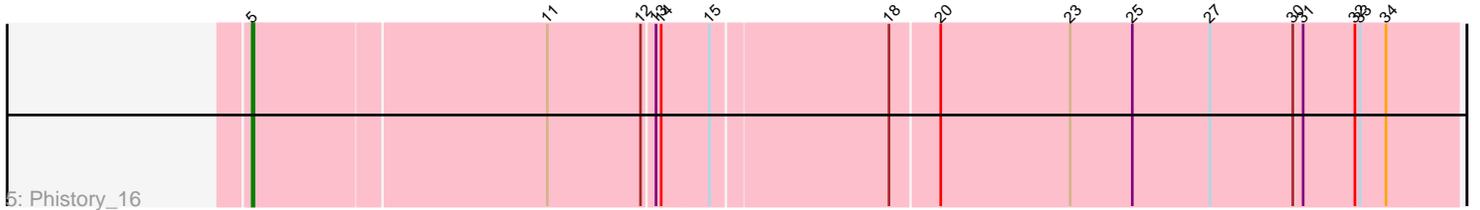
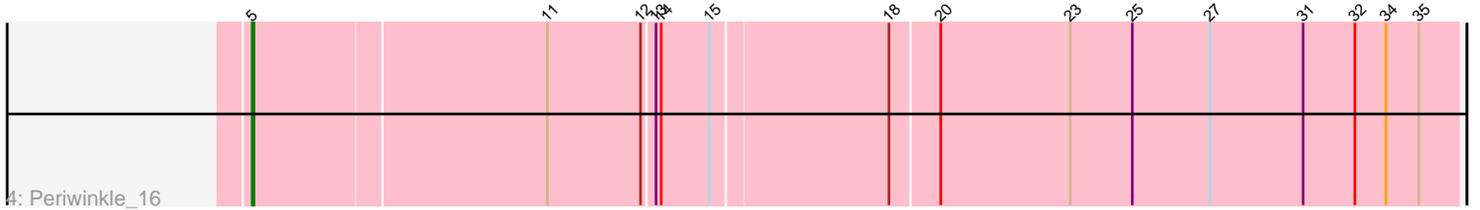
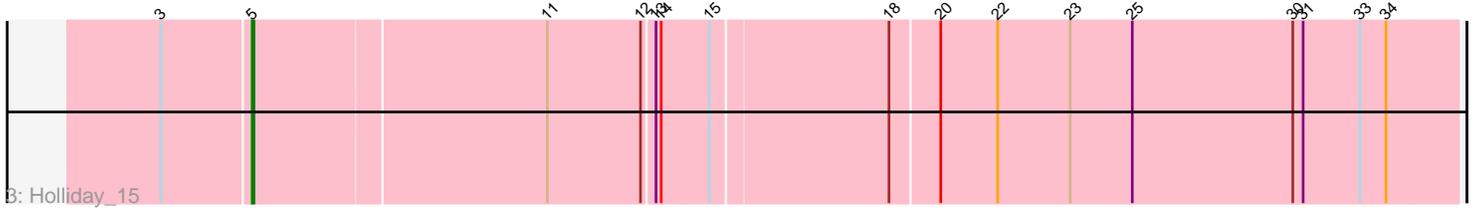
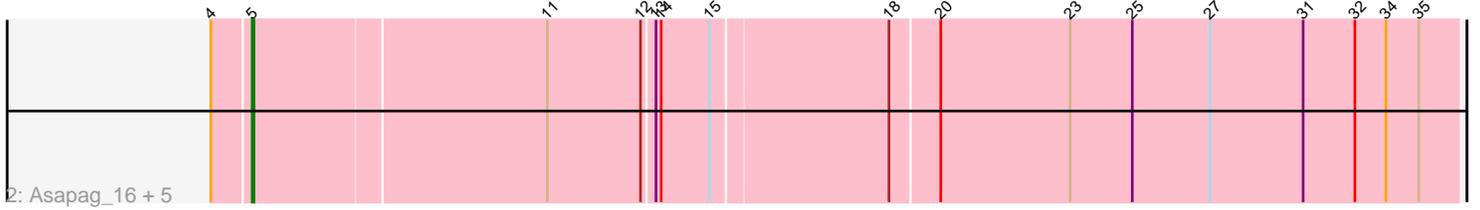
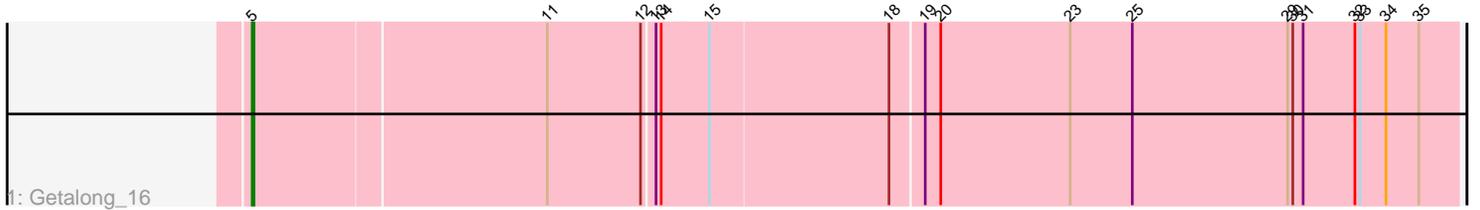


Pham 284348



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 284348 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284348 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Getalong_16
- Track 2 : Asapag_16, Leroy_16, BENtherdunthat_16, Horus_16, Lutum_16, Kenna_15
- Track 3 : Holliday_15
- Track 4 : Periwinkle_16
- Track 5 : Phistory_16
- Track 6 : AnnabelLee_16
- Track 7 : Audell_19

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Asapag_16, BENtherdunthat_16, Getalong_16, Holliday_15, Horus_16, Kenna_15, Leroy_16, Lutum_16, Periwinkle_16, Phistory_16,

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

-

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

- AnnabelLee_16, Audell_19,

Summary by start number:

Start 2:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_16 (FR), Audell_19 (FR),

Start 5:

- Found in 10 of 12 (83.3%) of genes in pham

- Manual Annotations of this start: 10 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Asapag_16 (DN1), BENtherdunthat_16 (DN1), Getalong_16 (DN1), Holliday_15 (DN1), Horus_16 (DN1), Kenna_15 (DN1), Leroy_16 (DN1), Lutum_16 (DN1), Periwinkle_16 (DN1), Phistory_16 (DN1),

Summary by clusters:

There are 2 clusters represented in this pham: FR, DN1,

Info for manual annotations of cluster DN1:

- Start number 5 was manually annotated 10 times for cluster DN1.

Info for manual annotations of cluster FR:

- Start number 2 was manually annotated 2 times for cluster FR.

Gene Information:

Gene: AnnabelLee_16 Start: 8830, Stop: 9566, Start Num: 2

Candidate Starts for AnnabelLee_16:

(Start: 2 @8830 has 2 MA's), (6, 8914), (8, 9007), (9, 9010), (10, 9037), (13, 9115), (16, 9199), (17, 9211), (18, 9250), (20, 9280), (28, 9463), (36, 9541), (37, 9547),

Gene: Asapag_16 Start: 8335, Stop: 9014, Start Num: 5

Candidate Starts for Asapag_16:

(4, 8314), (Start: 5 @8335 has 10 MA's), (11, 8500), (12, 8554), (13, 8560), (14, 8563), (15, 8590), (18, 8689), (20, 8716), (23, 8791), (25, 8827), (27, 8872), (31, 8926), (32, 8956), (34, 8974), (35, 8992),

Gene: Audell_19 Start: 12164, Stop: 12891, Start Num: 2

Candidate Starts for Audell_19:

(1, 12092), (Start: 2 @12164 has 2 MA's), (7, 12296), (10, 12365), (13, 12443), (16, 12527), (18, 12578), (20, 12605), (21, 12623), (24, 12677), (26, 12719), (34, 12845), (36, 12866),

Gene: BENtherdunthat_16 Start: 8335, Stop: 9014, Start Num: 5

Candidate Starts for BENtherdunthat_16:

(4, 8314), (Start: 5 @8335 has 10 MA's), (11, 8500), (12, 8554), (13, 8560), (14, 8563), (15, 8590), (18, 8689), (20, 8716), (23, 8791), (25, 8827), (27, 8872), (31, 8926), (32, 8956), (34, 8974), (35, 8992),

Gene: Getalong_16 Start: 8315, Stop: 8997, Start Num: 5

Candidate Starts for Getalong_16:

(Start: 5 @8315 has 10 MA's), (11, 8480), (12, 8534), (13, 8540), (14, 8543), (15, 8570), (18, 8672), (19, 8690), (20, 8699), (23, 8774), (25, 8810), (29, 8900), (30, 8903), (31, 8909), (32, 8939), (33, 8942), (34, 8957), (35, 8975),

Gene: Holliday_15 Start: 8319, Stop: 8998, Start Num: 5

Candidate Starts for Holliday_15:

(3, 8271), (Start: 5 @8319 has 10 MA's), (11, 8484), (12, 8538), (13, 8544), (14, 8547), (15, 8574), (18, 8673), (20, 8700), (22, 8733), (23, 8775), (25, 8811), (30, 8904), (31, 8910), (33, 8943), (34, 8958),

Gene: Horus_16 Start: 8335, Stop: 9014, Start Num: 5

Candidate Starts for Horus_16:

(4, 8314), (Start: 5 @8335 has 10 MA's), (11, 8500), (12, 8554), (13, 8560), (14, 8563), (15, 8590), (18, 8689), (20, 8716), (23, 8791), (25, 8827), (27, 8872), (31, 8926), (32, 8956), (34, 8974), (35, 8992),

Gene: Kenna_15 Start: 8335, Stop: 9014, Start Num: 5

Candidate Starts for Kenna_15:

(4, 8314), (Start: 5 @8335 has 10 MA's), (11, 8500), (12, 8554), (13, 8560), (14, 8563), (15, 8590), (18, 8689), (20, 8716), (23, 8791), (25, 8827), (27, 8872), (31, 8926), (32, 8956), (34, 8974), (35, 8992),

Gene: Leroy_16 Start: 8336, Stop: 9015, Start Num: 5

Candidate Starts for Leroy_16:

(4, 8315), (Start: 5 @8336 has 10 MA's), (11, 8501), (12, 8555), (13, 8561), (14, 8564), (15, 8591), (18, 8690), (20, 8717), (23, 8792), (25, 8828), (27, 8873), (31, 8927), (32, 8957), (34, 8975), (35, 8993),

Gene: Lutum_16 Start: 8335, Stop: 9014, Start Num: 5

Candidate Starts for Lutum_16:

(4, 8314), (Start: 5 @8335 has 10 MA's), (11, 8500), (12, 8554), (13, 8560), (14, 8563), (15, 8590), (18, 8689), (20, 8716), (23, 8791), (25, 8827), (27, 8872), (31, 8926), (32, 8956), (34, 8974), (35, 8992),

Gene: Periwinkle_16 Start: 8315, Stop: 8994, Start Num: 5

Candidate Starts for Periwinkle_16:

(Start: 5 @8315 has 10 MA's), (11, 8480), (12, 8534), (13, 8540), (14, 8543), (15, 8570), (18, 8669), (20, 8696), (23, 8771), (25, 8807), (27, 8852), (31, 8906), (32, 8936), (34, 8954), (35, 8972),

Gene: Phistory_16 Start: 8304, Stop: 8983, Start Num: 5

Candidate Starts for Phistory_16:

(Start: 5 @8304 has 10 MA's), (11, 8469), (12, 8523), (13, 8529), (14, 8532), (15, 8559), (18, 8658), (20, 8685), (23, 8760), (25, 8796), (27, 8841), (30, 8889), (31, 8895), (32, 8925), (33, 8928), (34, 8943),