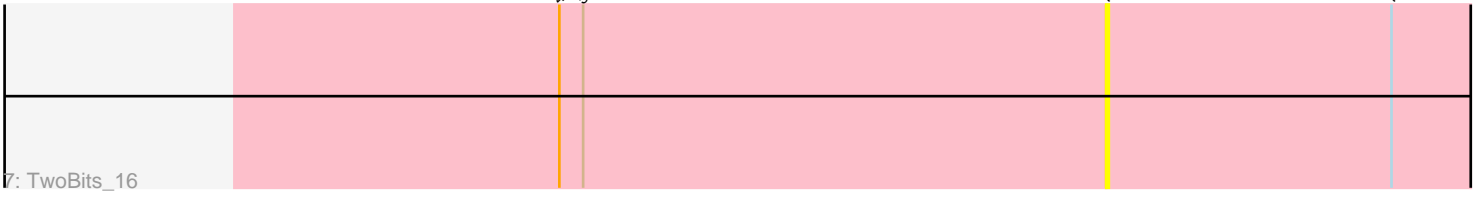
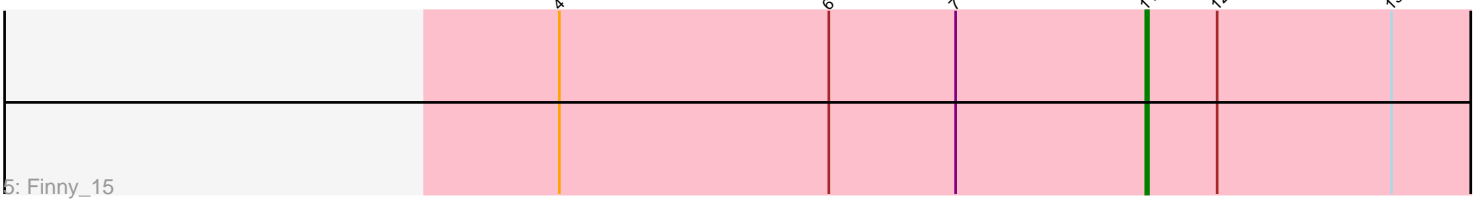
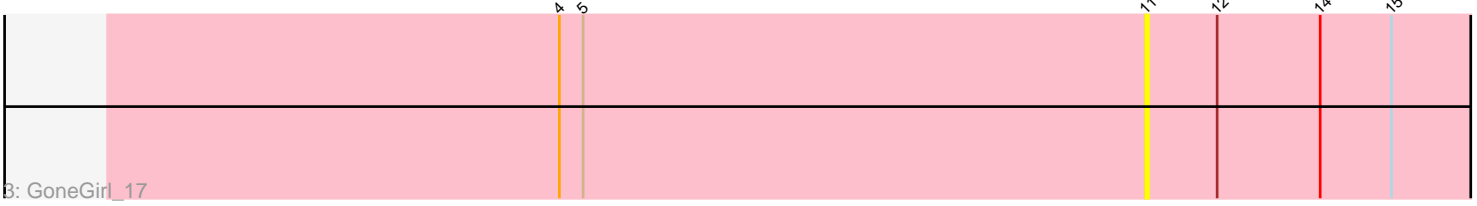
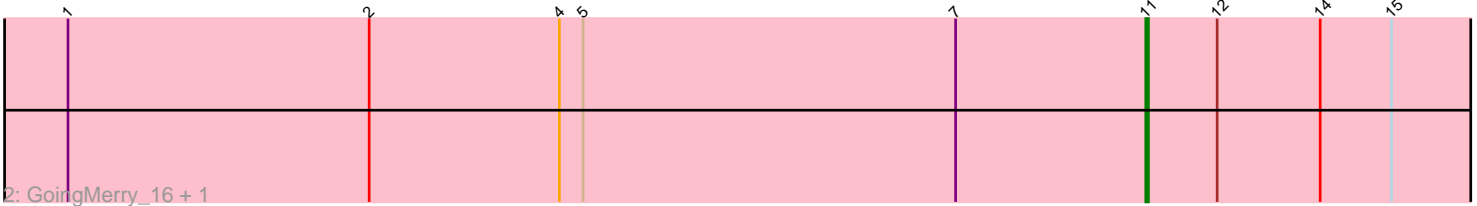


Pham 252928



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 252928 Report

This analysis was run 02/07/26 on database version 634.

Pham number 252928 has 17 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Delphidian_16, KellyGreen_16, Merida02_16, JeriBeth_16, Soror1_16, Kouch_16, PhillyPhantom_16, CoraRita_16, JasperRussell_16, SolidSnake_16
- Track 2 : GoingMerry_16, Figueroism_16
- Track 3 : GoneGirl_17
- Track 4 : MiniVolent_15
- Track 5 : Finny_15
- Track 6 : RenegadeRaider_17
- Track 7 : TwoBits_16

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

The start number called the most often in the published annotations is 11, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CoraRita_16, Delphidian_16, Figueroism_16, Finny_15, GoingMerry_16, GoneGirl_17, JasperRussell_16, JeriBeth_16, KellyGreen_16, Kouch_16, Merida02_16, PhillyPhantom_16, SolidSnake_16, Soror1_16,

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

- MiniVolent_15,

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

- RenegadeRaider_17, TwoBits_16,

Summary by start number:

Start 9:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MiniVolent_15 (EA10),

Start 10:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RenegadeRaider_17 (EA4), TwoBits_16 (EA5),

Start 11:

- Found in 15 of 17 (88.2%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 93.3% of time when present
- Phage (with cluster) where this start called: CoraRita_16 (EA1), Delphidian_16 (EA1), Figueroism_16 (EA1), Finny_15 (EA2), GoingMerry_16 (EA1), GoneGirl_17 (EA1), JasperRussell_16 (EA1), JeriBeth_16 (EA1), KellyGreen_16 (EA1), Kouch_16 (EA1), Merida02_16 (EA1), PhillyPhantom_16 (EA1), SolidSnake_16 (EA1), Soror1_16 (EA1),

Summary by clusters:

There are 5 clusters represented in this pham: EA1, EA2, EA5, EA4, EA10,

Info for manual annotations of cluster EA1:

- Start number 11 was manually annotated 3 times for cluster EA1.

Info for manual annotations of cluster EA2:

- Start number 11 was manually annotated 1 time for cluster EA2.

Gene Information:

Gene: CoraRita_16 Start: 9480, Stop: 9629, Start Num: 11

Candidate Starts for CoraRita_16:

(1, 9072), (4, 9258), (5, 9267), (7, 9408), (Start: 11 @9480 has 4 MA's), (12, 9507), (14, 9546), (15, 9573),

Gene: Delphidian_16 Start: 9187, Stop: 9336, Start Num: 11

Candidate Starts for Delphidian_16:

(1, 8779), (4, 8965), (5, 8974), (7, 9115), (Start: 11 @9187 has 4 MA's), (12, 9214), (14, 9253), (15, 9280),

Gene: Figueroism_16 Start: 9176, Stop: 9325, Start Num: 11

Candidate Starts for Figueroism_16:

(1, 8768), (2, 8882), (4, 8954), (5, 8963), (7, 9104), (Start: 11 @9176 has 4 MA's), (12, 9203), (14, 9242), (15, 9269),

Gene: Finny_15 Start: 9257, Stop: 9412, Start Num: 11

Candidate Starts for Finny_15:

(4, 9035), (6, 9137), (7, 9185), (Start: 11 @9257 has 4 MA's), (12, 9284), (15, 9350),

Gene: GoingMerry_16 Start: 9201, Stop: 9350, Start Num: 11

Candidate Starts for GoingMerry_16:

(1, 8793), (2, 8907), (4, 8979), (5, 8988), (7, 9129), (Start: 11 @9201 has 4 MA's), (12, 9228), (14, 9267), (15, 9294),

Gene: GoneGirl_17 Start: 9692, Stop: 9844, Start Num: 11

Candidate Starts for GoneGirl_17:

(4, 9470), (5, 9479), (Start: 11 @9692 has 4 MA's), (12, 9719), (14, 9758), (15, 9785),

Gene: JasperRussell_16 Start: 9480, Stop: 9629, Start Num: 11

Candidate Starts for JasperRussell_16:

(1, 9072), (4, 9258), (5, 9267), (7, 9408), (Start: 11 @9480 has 4 MA's), (12, 9507), (14, 9546), (15, 9573),

Gene: JeriBeth_16 Start: 9327, Stop: 9476, Start Num: 11

Candidate Starts for JeriBeth_16:

(1, 8919), (4, 9105), (5, 9114), (7, 9255), (Start: 11 @9327 has 4 MA's), (12, 9354), (14, 9393), (15, 9420),

Gene: KellyGreen_16 Start: 9480, Stop: 9629, Start Num: 11

Candidate Starts for KellyGreen_16:

(1, 9072), (4, 9258), (5, 9267), (7, 9408), (Start: 11 @9480 has 4 MA's), (12, 9507), (14, 9546), (15, 9573),

Gene: Kouch_16 Start: 9480, Stop: 9629, Start Num: 11

Candidate Starts for Kouch_16:

(1, 9072), (4, 9258), (5, 9267), (7, 9408), (Start: 11 @9480 has 4 MA's), (12, 9507), (14, 9546), (15, 9573),

Gene: Merida02_16 Start: 9187, Stop: 9336, Start Num: 11

Candidate Starts for Merida02_16:

(1, 8779), (4, 8965), (5, 8974), (7, 9115), (Start: 11 @9187 has 4 MA's), (12, 9214), (14, 9253), (15, 9280),

Gene: MiniVolent_15 Start: 9380, Stop: 9559, Start Num: 9

Candidate Starts for MiniVolent_15:

(6, 9287), (7, 9335), (9, 9380), (Start: 11 @9407 has 4 MA's), (12, 9434), (15, 9500),

Gene: PhillyPhantom_16 Start: 9597, Stop: 9746, Start Num: 11

Candidate Starts for PhillyPhantom_16:

(1, 9189), (4, 9375), (5, 9384), (7, 9525), (Start: 11 @9597 has 4 MA's), (12, 9624), (14, 9663), (15, 9690),

Gene: RenegadeRaider_17 Start: 9401, Stop: 9568, Start Num: 10

Candidate Starts for RenegadeRaider_17:

(3, 9188), (4, 9194), (6, 9296), (7, 9344), (8, 9359), (10, 9401), (13, 9455), (14, 9482), (15, 9509),

Gene: SolidSnake_16 Start: 9190, Stop: 9339, Start Num: 11

Candidate Starts for SolidSnake_16:

(1, 8782), (4, 8968), (5, 8977), (7, 9118), (Start: 11 @9190 has 4 MA's), (12, 9217), (14, 9256), (15, 9283),

Gene: Soror1_16 Start: 9597, Stop: 9746, Start Num: 11

Candidate Starts for Soror1_16:

(1, 9189), (4, 9375), (5, 9384), (7, 9525), (Start: 11 @9597 has 4 MA's), (12, 9624), (14, 9663), (15, 9690),

Gene: TwoBits_16 Start: 9488, Stop: 9655, Start Num: 10

Candidate Starts for TwoBits_16:

(4, 9281), (5, 9290), (10, 9488), (15, 9596),