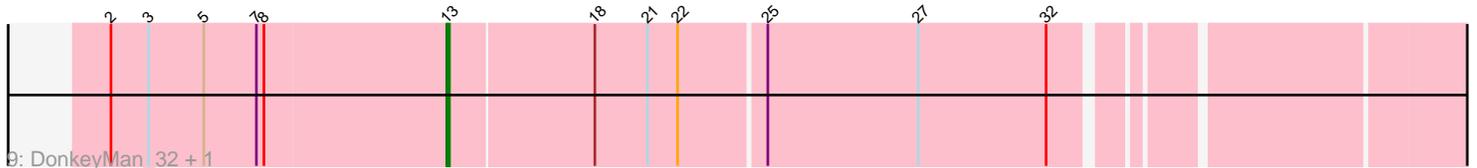
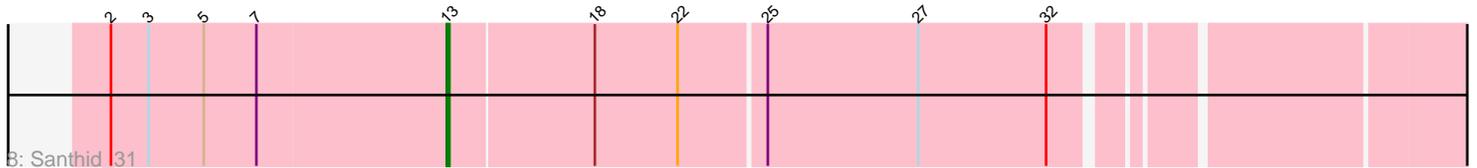
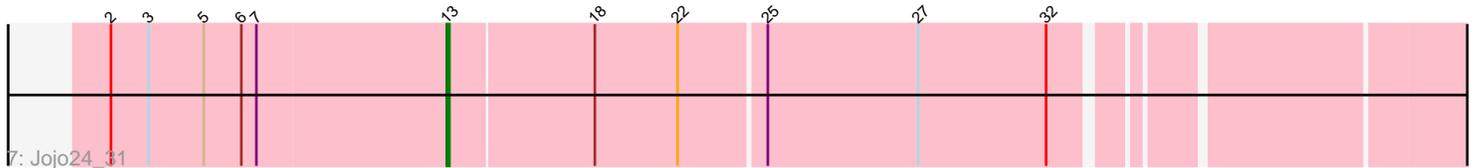
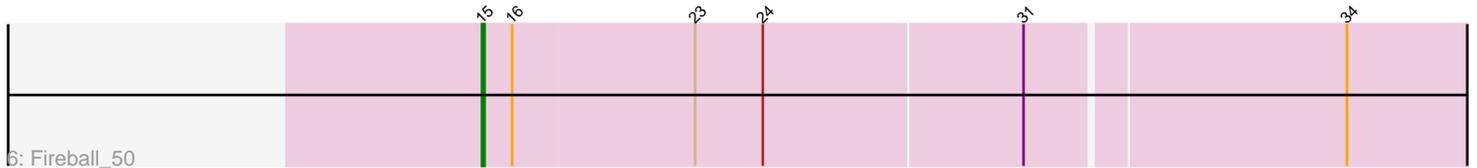
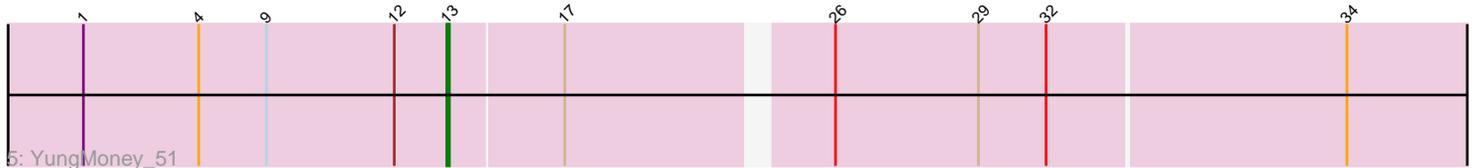
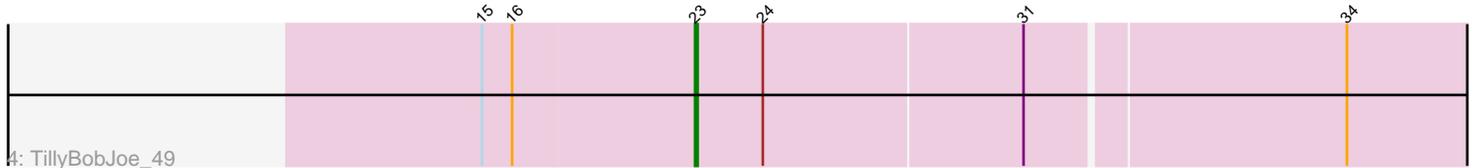
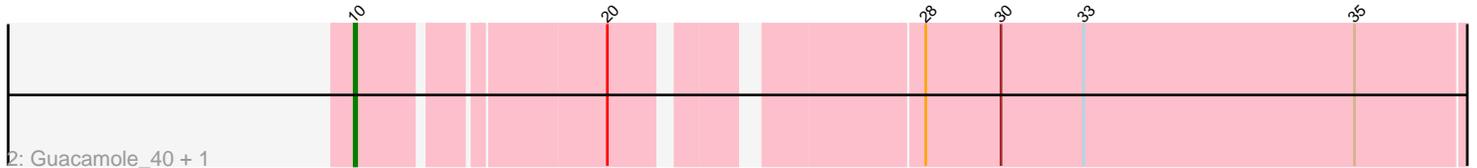


Pham 284328



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 284328 Report

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

Pham number 284328 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Barco_40, Melba_41, Zilla_41
- Track 2 : Guacamole_40, JasperJr_40
- Track 3 : Walrus_41
- Track 4 : TillyBobJoe_49
- Track 5 : YungMoney_51
- Track 6 : Fireball_50
- Track 7 : Jojo24_31
- Track 8 : Santhid_31
- Track 9 : DonkeyMan_32, Tarzan_32

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

The start number called the most often in the published annotations is 13, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DonkeyMan_32, Jojo24_31, Santhid_31, Tarzan_32, YungMoney_51,

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

- Barco_40, Melba_41, Zilla_41,

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

- Fireball_50, Guacamole_40, JasperJr_40, TillyBobJoe_49, Walrus_41,

Summary by start number:

Start 10:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Guacamole_40 (CV), JasperJr_40 (CV),

Start 13:

- Found in 8 of 13 (61.5%) of genes in pham

- Manual Annotations of this start: 5 of 12
- Called 62.5% of time when present
- Phage (with cluster) where this start called: DonkeyMan_32 (DY), Jojo24_31 (DY), Santhid_31 (DY), Tarzan_32 (DY), YungMoney_51 (DC1),

Start 14:

- Found in 3 of 13 (23.1%) 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: Barco_40 (CV), Melba_41 (CV), Zilla_41 (CV),

Start 15:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Fireball_50 (DC1),

Start 20:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Walrus_41 (CV),

Start 23:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: TillyBobJoe_49 (DC1),

Summary by clusters:

There are 3 clusters represented in this pham: DY, CV, DC1,

Info for manual annotations of cluster CV:

- Start number 10 was manually annotated 2 times for cluster CV.
- Start number 14 was manually annotated 2 times for cluster CV.
- Start number 20 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DC1:

- Start number 13 was manually annotated 1 time for cluster DC1.
- Start number 15 was manually annotated 1 time for cluster DC1.
- Start number 23 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DY:

- Start number 13 was manually annotated 4 times for cluster DY.

Gene Information:

Gene: Barco_40 Start: 32072, Stop: 31686, Start Num: 14

Candidate Starts for Barco_40:

(11, 32108), (Start: 13 @32078 has 5 MA's), (Start: 14 @32072 has 2 MA's), (19, 32024), (30, 31871), (35, 31739),

Gene: DonkeyMan_32 Start: 27574, Stop: 27185, Start Num: 13

Candidate Starts for DonkeyMan_32:

(2, 27706), (3, 27691), (5, 27670), (7, 27649), (8, 27646), (Start: 13 @27574 has 5 MA's), (18, 27517), (21, 27496), (22, 27484), (25, 27451), (27, 27391), (32, 27340),

Gene: Fireball_50 Start: 40315, Stop: 39920, Start Num: 15

Candidate Starts for Fireball_50:

(Start: 15 @40315 has 1 MA's), (16, 40303), (Start: 23 @40231 has 1 MA's), (24, 40204), (31, 40102), (34, 39979),

Gene: Guacamole_40 Start: 32920, Stop: 32501, Start Num: 10

Candidate Starts for Guacamole_40:

(Start: 10 @32920 has 2 MA's), (Start: 20 @32830 has 1 MA's), (28, 32725), (30, 32695), (33, 32662), (35, 32554),

Gene: JasperJr_40 Start: 32920, Stop: 32501, Start Num: 10

Candidate Starts for JasperJr_40:

(Start: 10 @32920 has 2 MA's), (Start: 20 @32830 has 1 MA's), (28, 32725), (30, 32695), (33, 32662), (35, 32554),

Gene: Jojo24_31 Start: 26167, Stop: 25778, Start Num: 13

Candidate Starts for Jojo24_31:

(2, 26299), (3, 26284), (5, 26263), (6, 26248), (7, 26242), (Start: 13 @26167 has 5 MA's), (18, 26110), (22, 26077), (25, 26044), (27, 25984), (32, 25933),

Gene: Melba_41 Start: 32860, Stop: 32474, Start Num: 14

Candidate Starts for Melba_41:

(11, 32896), (Start: 13 @32866 has 5 MA's), (Start: 14 @32860 has 2 MA's), (19, 32812), (30, 32659), (35, 32527),

Gene: Santhid_31 Start: 24886, Stop: 24497, Start Num: 13

Candidate Starts for Santhid_31:

(2, 25018), (3, 25003), (5, 24982), (7, 24961), (Start: 13 @24886 has 5 MA's), (18, 24829), (22, 24796), (25, 24763), (27, 24703), (32, 24652),

Gene: Tarzan_32 Start: 26056, Stop: 25667, Start Num: 13

Candidate Starts for Tarzan_32:

(2, 26188), (3, 26173), (5, 26152), (7, 26131), (8, 26128), (Start: 13 @26056 has 5 MA's), (18, 25999), (21, 25978), (22, 25966), (25, 25933), (27, 25873), (32, 25822),

Gene: TillyBobJoe_49 Start: 39897, Stop: 39586, Start Num: 23

Candidate Starts for TillyBobJoe_49:

(Start: 15 @39981 has 1 MA's), (16, 39969), (Start: 23 @39897 has 1 MA's), (24, 39870), (31, 39768), (34, 39645),

Gene: Walrus_41 Start: 32609, Stop: 32277, Start Num: 20

Candidate Starts for Walrus_41:

(Start: 10 @32699 has 2 MA's), (Start: 20 @32609 has 1 MA's), (28, 32504), (30, 32474), (33, 32441), (36, 32318),

Gene: YungMoney_51 Start: 42233, Stop: 41832, Start Num: 13

Candidate Starts for YungMoney_51:

(1, 42377), (4, 42332), (9, 42305), (12, 42254), (Start: 13 @42233 has 5 MA's), (17, 42188), (26, 42092), (29, 42035), (32, 42008), (34, 41891),

Gene: Zilla_41 Start: 32089, Stop: 31703, Start Num: 14

Candidate Starts for Zilla_41:

(11, 32125), (Start: 13 @32095 has 5 MA's), (Start: 14 @32089 has 2 MA's), (19, 32041), (30, 31888), (35, 31756),