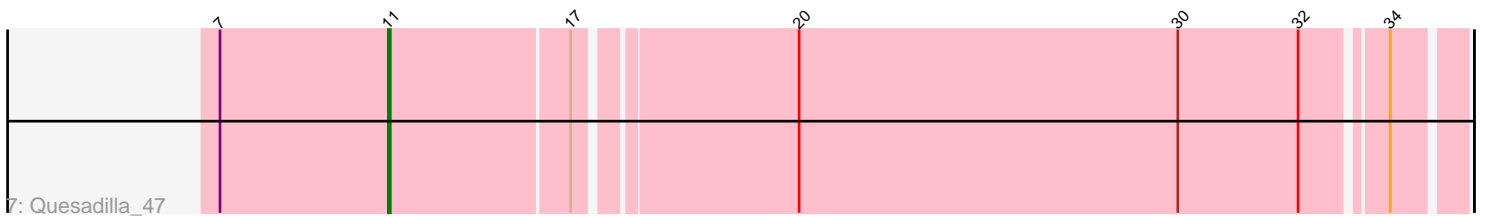
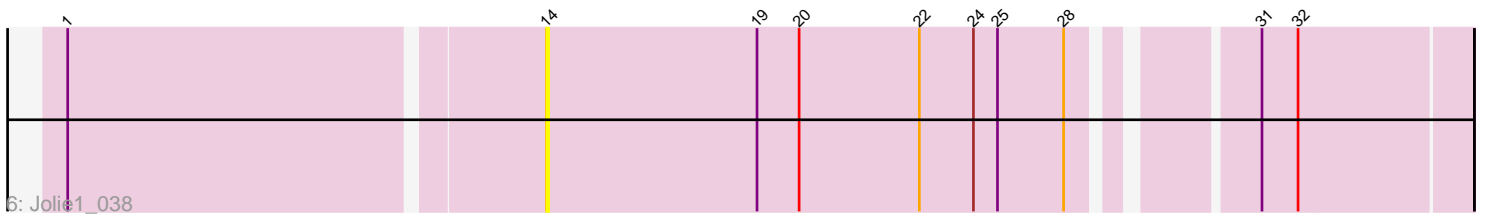
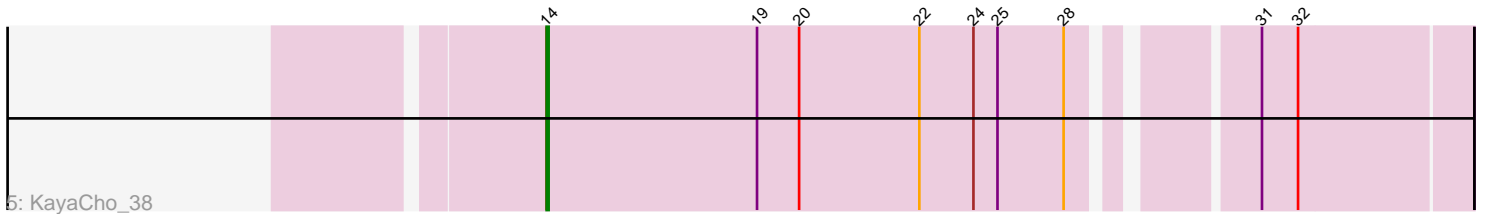
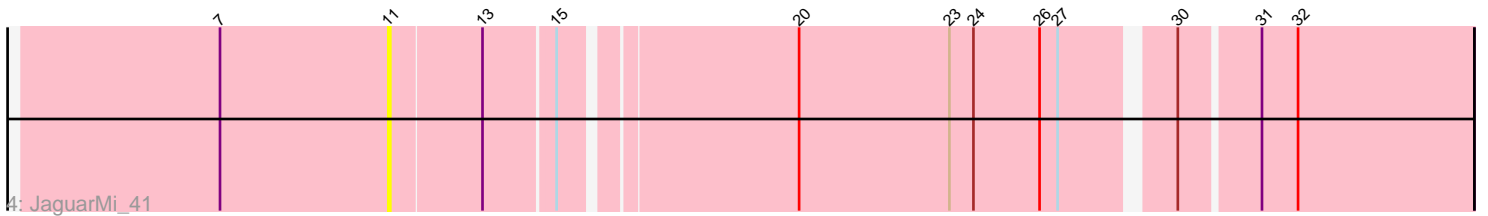
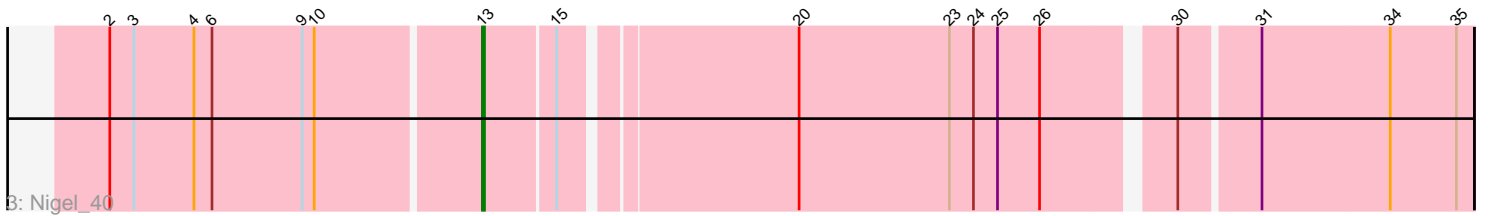
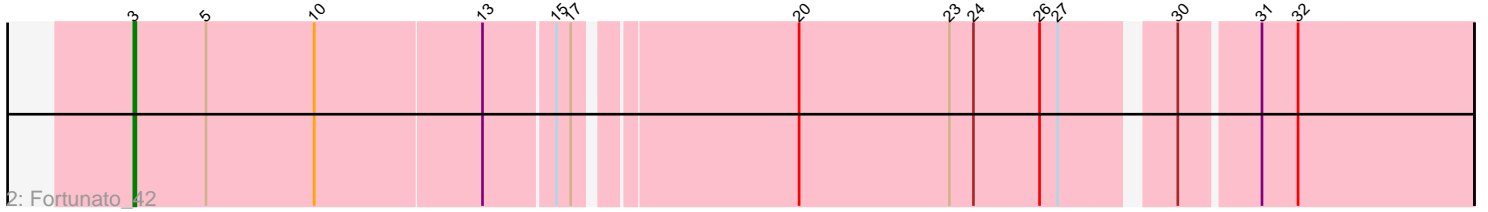
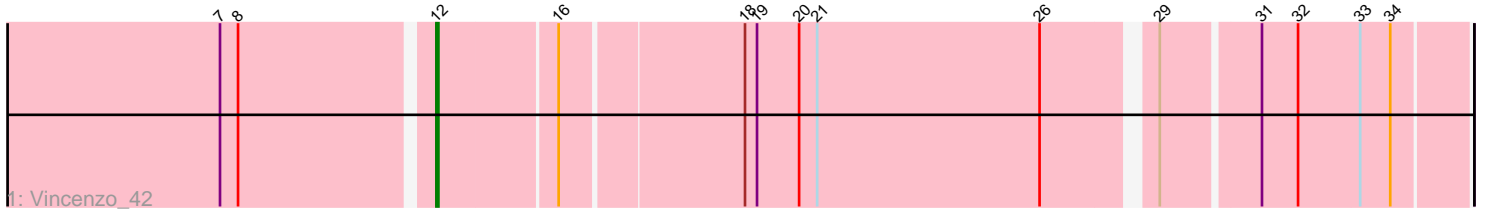


Pham 172041



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 172041 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172041 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Vincenzo_42
- Track 2 : Fortunato_42
- Track 3 : Nigel_40
- Track 4 : JaguarMi_41
- Track 5 : KayaCho_38
- Track 6 : Jolie1_038
- Track 7 : Quesadilla_47

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 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Nigel_40,

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

- Fortunato_42, JaguarMi_41,

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

- Jolie1_038, KayaCho_38, Quesadilla_47, Vincenzo_42,

Summary by start number:

Start 3:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Fortunato_42 (B4),

Start 11:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present

- Phage (with cluster) where this start called: JaguarMi_41 (B4), Quesadilla_47 (B9),

Start 12:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vincenzo_42 (B4),

Start 13:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Nigel_40 (B4),

Start 14:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jolie1_038 (B6), KayaCho_38 (B6),

Summary by clusters:

There are 3 clusters represented in this pham: B4, B6, B9,

Info for manual annotations of cluster B4:

- Start number 3 was manually annotated 1 time for cluster B4.
- Start number 12 was manually annotated 1 time for cluster B4.
- Start number 13 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B6:

- Start number 14 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 11 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: Fortunato_42 Start: 39822, Stop: 39193, Start Num: 3

Candidate Starts for Fortunato_42:

(Start: 3 @39822 has 1 MA's), (5, 39786), (10, 39732), (Start: 13 @39651 has 1 MA's), (15, 39618), (17, 39612), (20, 39510), (23, 39435), (24, 39423), (26, 39390), (27, 39381), (30, 39333), (31, 39297), (32, 39279),

Gene: JaguarMi_41 Start: 39177, Stop: 38674, Start Num: 11

Candidate Starts for JaguarMi_41:

(7, 39261), (Start: 11 @39177 has 1 MA's), (Start: 13 @39132 has 1 MA's), (15, 39099), (20, 38991), (23, 38916), (24, 38904), (26, 38871), (27, 38862), (30, 38814), (31, 38778), (32, 38760),

Gene: Jolie1_038 Start: 37398, Stop: 36964, Start Num: 14

Candidate Starts for Jolie1_038:

(1, 37626), (Start: 14 @37398 has 1 MA's), (19, 37293), (20, 37272), (22, 37212), (24, 37185), (25, 37173), (28, 37140), (31, 37065), (32, 37047),

Gene: KayaCho_38 Start: 37397, Stop: 36963, Start Num: 14

Candidate Starts for KayaCho_38:

(Start: 14 @37397 has 1 MA's), (19, 37292), (20, 37271), (22, 37211), (24, 37184), (25, 37172), (28, 37139), (31, 37064), (32, 37046),

Gene: Nigel_40 Start: 38541, Stop: 38083, Start Num: 13

Candidate Starts for Nigel_40:

(2, 38721), (Start: 3 @38709 has 1 MA's), (4, 38679), (6, 38670), (9, 38625), (10, 38619), (Start: 13 @38541 has 1 MA's), (15, 38508), (20, 38400), (23, 38325), (24, 38313), (25, 38301), (26, 38280), (30, 38223), (31, 38187), (34, 38124), (35, 38091),

Gene: Quesadilla_47 Start: 41493, Stop: 40987, Start Num: 11

Candidate Starts for Quesadilla_47:

(7, 41577), (Start: 11 @41493 has 1 MA's), (17, 41406), (20, 41304), (30, 41115), (32, 41055), (34, 41019),

Gene: Vincenzo_42 Start: 40436, Stop: 39954, Start Num: 12

Candidate Starts for Vincenzo_42:

(7, 40535), (8, 40526), (Start: 12 @40436 has 1 MA's), (16, 40379), (18, 40292), (19, 40286), (20, 40265), (21, 40256), (26, 40145), (29, 40097), (31, 40052), (32, 40034), (33, 40004), (34, 39989),