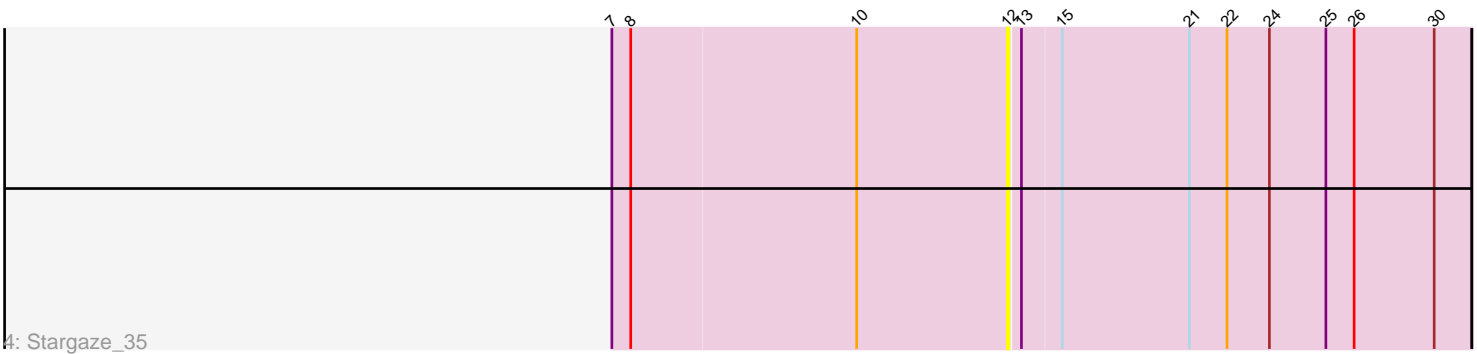
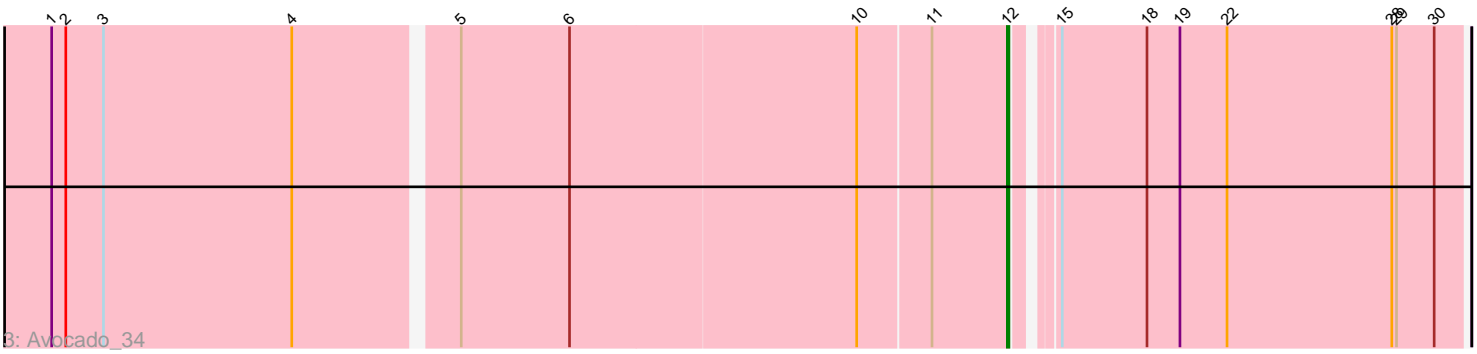
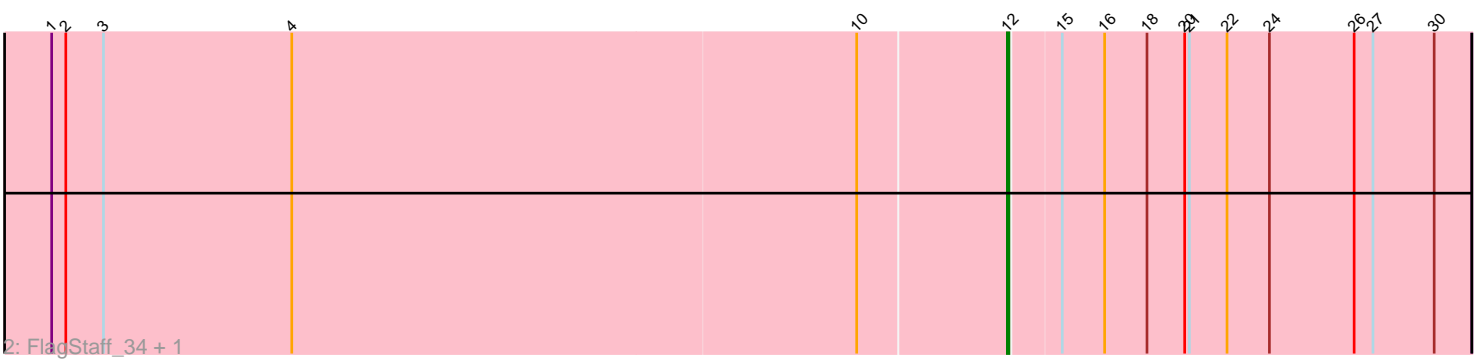
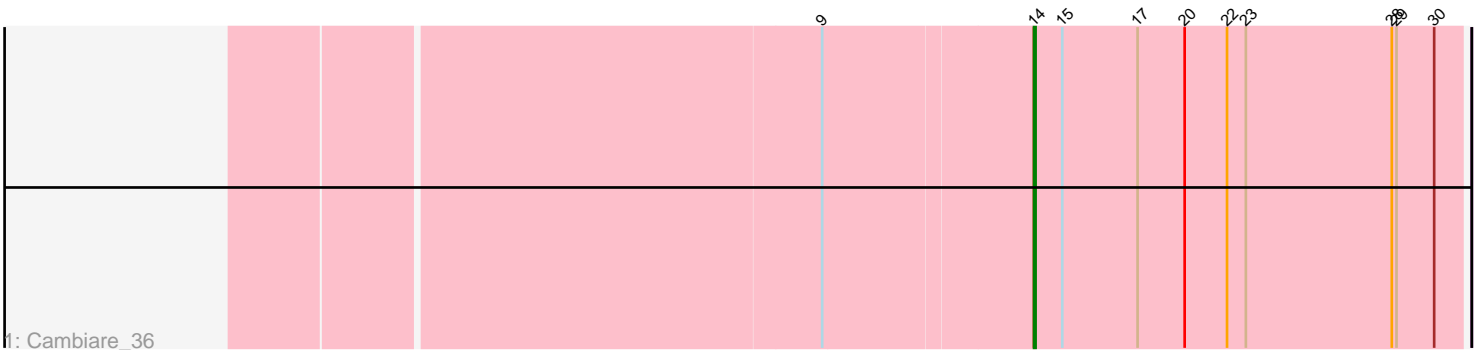


Pham 28593



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 28593 Report

This analysis was run 04/28/24 on database version 559.

Pham number 28593 has 5 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Cambiare_36
- Track 2 : FlagStaff_34, Pace1224_34
- Track 3 : Avocado_34
- Track 4 : Stargaze_35

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

The start number called the most often in the published annotations is 12, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Avocado_34, FlagStaff_34, Pace1224_34, Stargaze_35,

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

-

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

- Cambiare_36,

Summary by start number:

Start 12:

- Found in 4 of 5 (80.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_34 (G2), FlagStaff_34 (G2), Pace1224_34 (G2), Stargaze_35 (G5),

Start 14:

- Found in 1 of 5 (20.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cambiare_36 (G2),

Summary by clusters:

There are 2 clusters represented in this pham: G5, G2,

Info for manual annotations of cluster G2:

- Start number 12 was manually annotated 2 times for cluster G2.
- Start number 14 was manually annotated 1 time for cluster G2.

Gene Information:

Gene: Avocado_34 Start: 30990, Stop: 31262, Start Num: 12

Candidate Starts for Avocado_34:

(1, 30399), (2, 30408), (3, 30432), (4, 30552), (5, 30648), (6, 30717), (10, 30897), (11, 30942), (Start: 12 @30990 has 2 MA's), (15, 31008), (18, 31062), (19, 31083), (22, 31113), (28, 31218), (29, 31221), (30, 31245),

Gene: Cambiare_36 Start: 31655, Stop: 31927, Start Num: 14

Candidate Starts for Cambiare_36:

(9, 31526), (Start: 14 @31655 has 1 MA's), (15, 31673), (17, 31721), (20, 31751), (22, 31778), (23, 31790), (28, 31883), (29, 31886), (30, 31910),

Gene: FlagStaff_34 Start: 30786, Stop: 31076, Start Num: 12

Candidate Starts for FlagStaff_34:

(1, 30183), (2, 30192), (3, 30216), (4, 30336), (10, 30693), (Start: 12 @30786 has 2 MA's), (15, 30816), (16, 30843), (18, 30870), (20, 30894), (21, 30897), (22, 30921), (24, 30948), (26, 31002), (27, 31014), (30, 31053),

Gene: Pace1224_34 Start: 30786, Stop: 31076, Start Num: 12

Candidate Starts for Pace1224_34:

(1, 30183), (2, 30192), (3, 30216), (4, 30336), (10, 30693), (Start: 12 @30786 has 2 MA's), (15, 30816), (16, 30843), (18, 30870), (20, 30894), (21, 30897), (22, 30921), (24, 30948), (26, 31002), (27, 31014), (30, 31053),

Gene: Stargaze_35 Start: 30975, Stop: 31265, Start Num: 12

Candidate Starts for Stargaze_35:

(7, 30726), (8, 30738), (10, 30879), (Start: 12 @30975 has 2 MA's), (13, 30981), (15, 31005), (21, 31086), (22, 31110), (24, 31137), (25, 31173), (26, 31191), (30, 31242),