Pham 10027
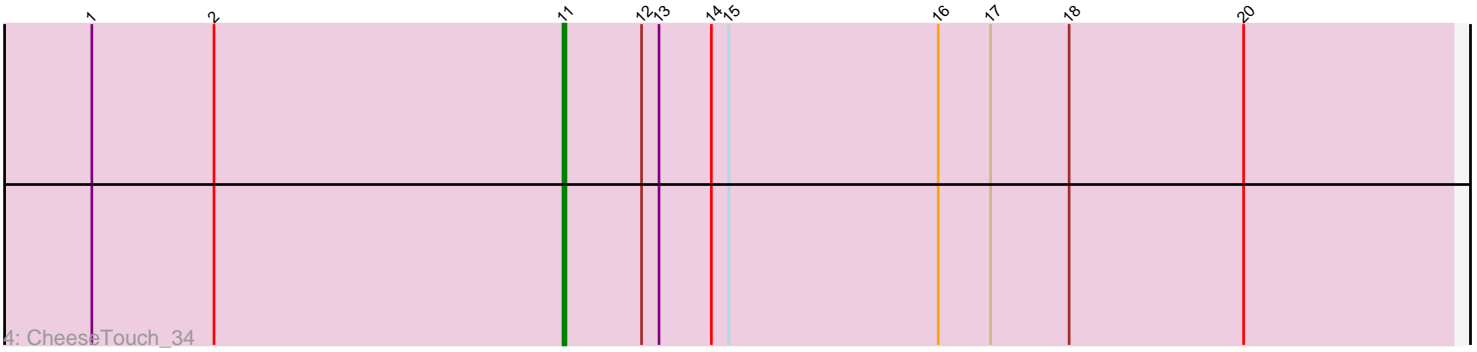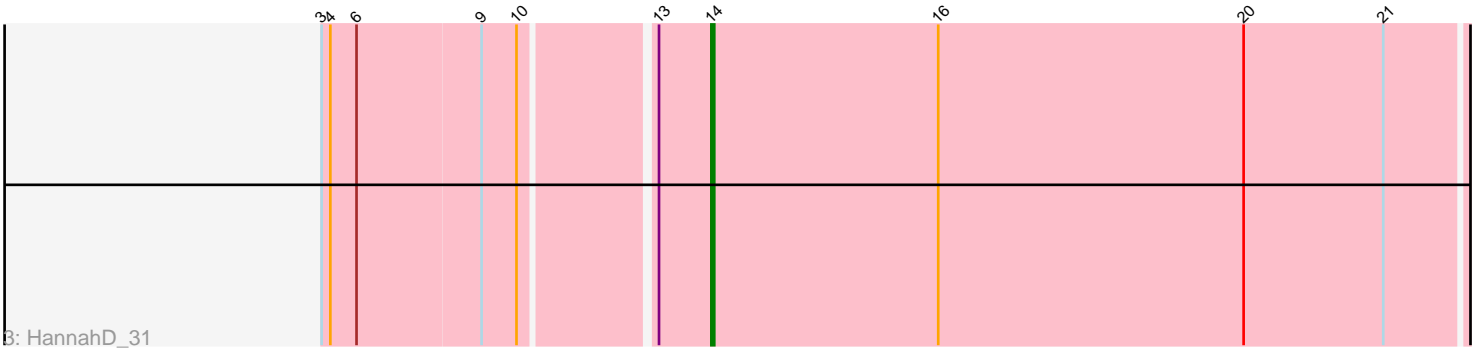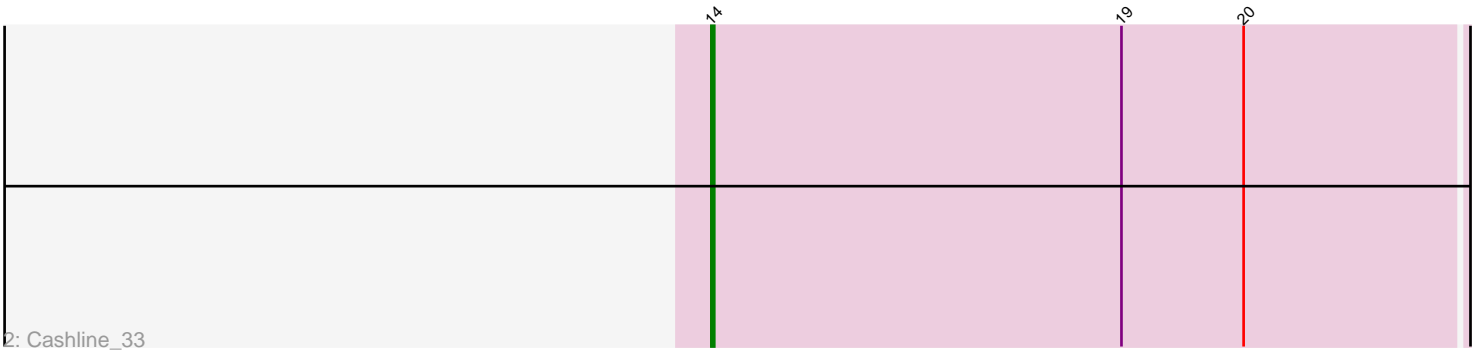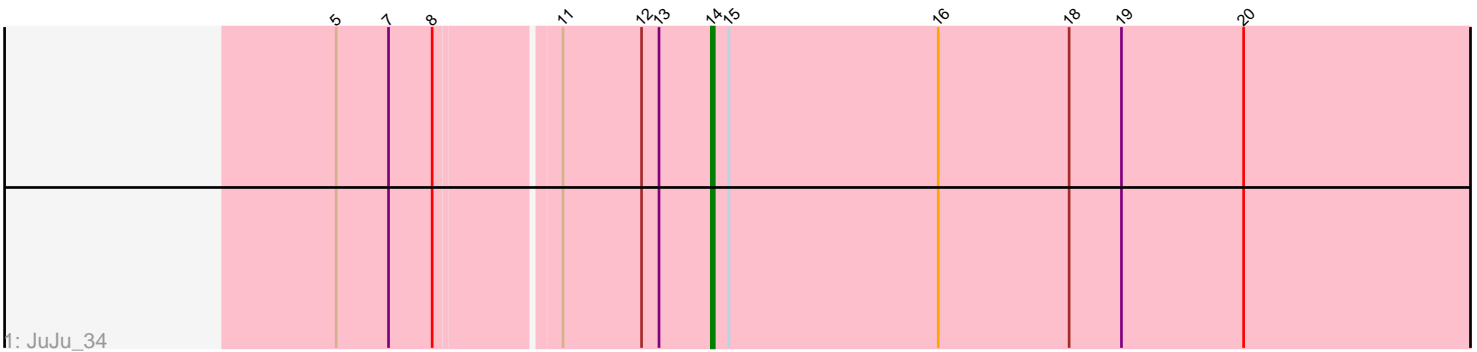

1: JuJu_34

2: Cashline_33

3: HannahD_31

4: CheeseTouch_34

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 10027 Report

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

Pham number 10027 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JuJu_34
• Track 2 : Cashline_33
• Track 3 : HannahD_31
• Track 4 : CheeseTouch_34

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

The start number called the most often in the published annotations is 14, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cashline_33, HannahD_31, JuJu_34,

Genes that have the "Most Annotated" start but do not call it:
• CheeseTouch_34,

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

Summary by start number:

Start 11:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CheeseTouch_34 (DN1),

Start 14:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Cashline_33 (CY), HannahD_31 (DB), JuJu_34 (CV),

Summary by clusters:

There are 4 clusters represented in this pham: DB, CY, DN1, CV,

Info for manual annotations of cluster CV:
•Start number 14 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY:
•Start number 14 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster DB:
•Start number 14 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DN1:
•Start number 11 was manually annotated 1 time for cluster DN1.

Gene Information:
Gene: Cashline_33 Start: 27816, Stop: 27544, Start Num: 14
Candidate Starts for Cashline_33:
(Start: 14 @27816 has 3 MA's), (19, 27675), (20, 27633),

Gene: CheeseTouch_34 Start: 26398, Stop: 26078, Start Num: 11
Candidate Starts for CheeseTouch_34:
(1, 26560), (2, 26518), (Start: 11 @26398 has 1 MA's), (12, 26371), (13, 26365), (Start: 14 @26347 has 3 MA's), (15, 26341), (16, 26269), (17, 26251), (18, 26224), (20, 26164),

Gene: HannahD_31 Start: 26496, Stop: 26224, Start Num: 14
Candidate Starts for HannahD_31:
(3, 26622), (4, 26619), (6, 26610), (9, 26568), (10, 26556), (13, 26514), (Start: 14 @26496 has 3 MA's), (16, 26418), (20, 26313), (21, 26265),

Gene: JuJu_34 Start: 28469, Stop: 28194, Start Num: 14
Candidate Starts for JuJu_34:
(5, 28592), (7, 28574), (8, 28559), (Start: 11 @28520 has 1 MA's), (12, 28493), (13, 28487), (Start: 14 @28469 has 3 MA's), (15, 28463), (16, 28391), (18, 28346), (19, 28328), (20, 28286),