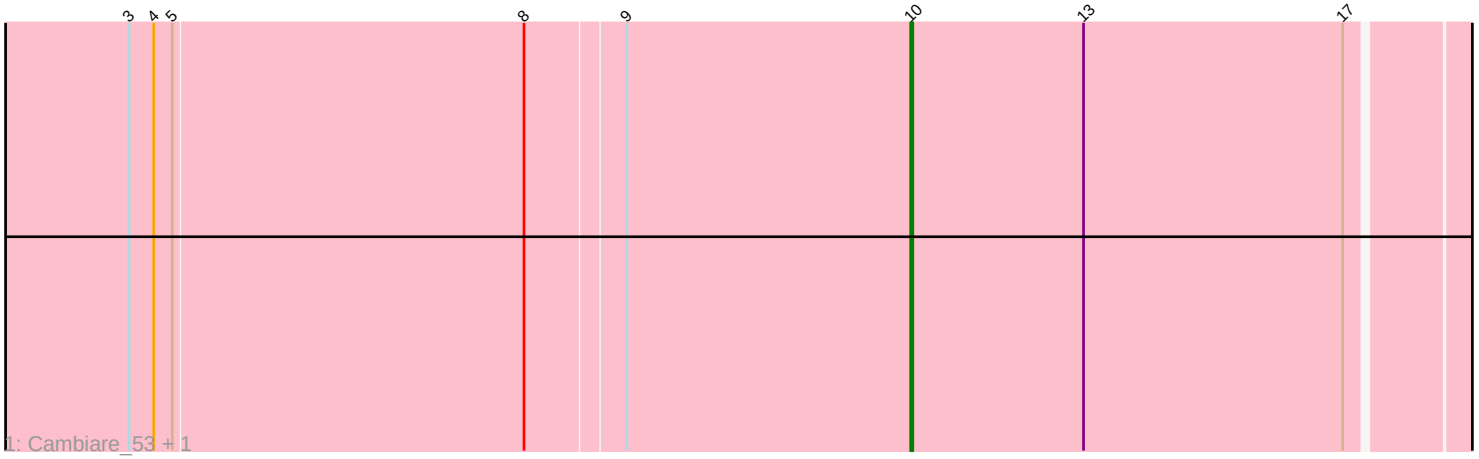
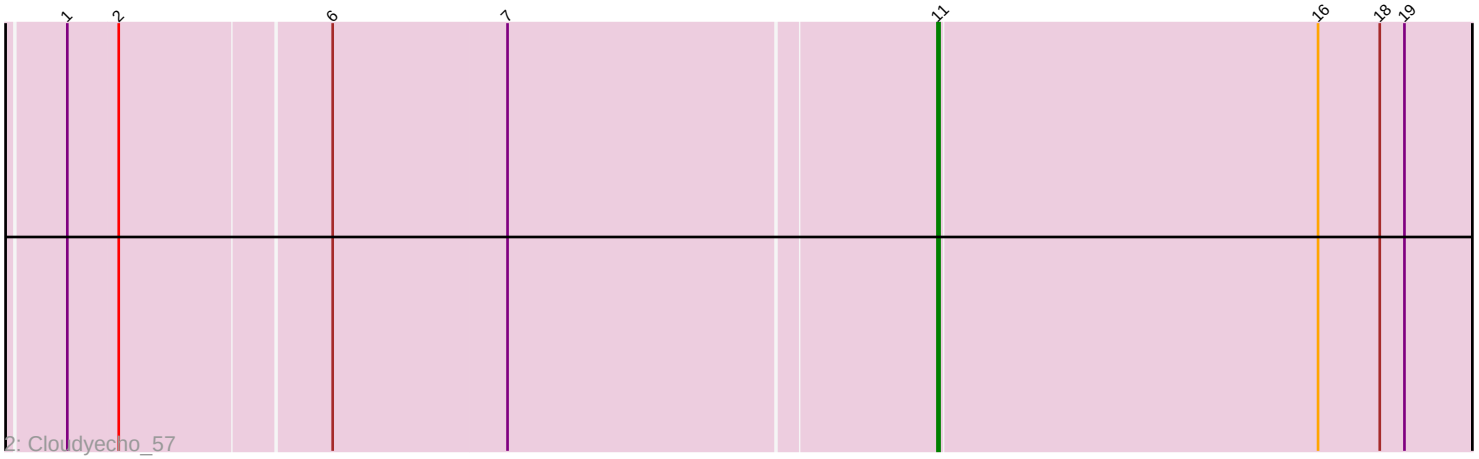
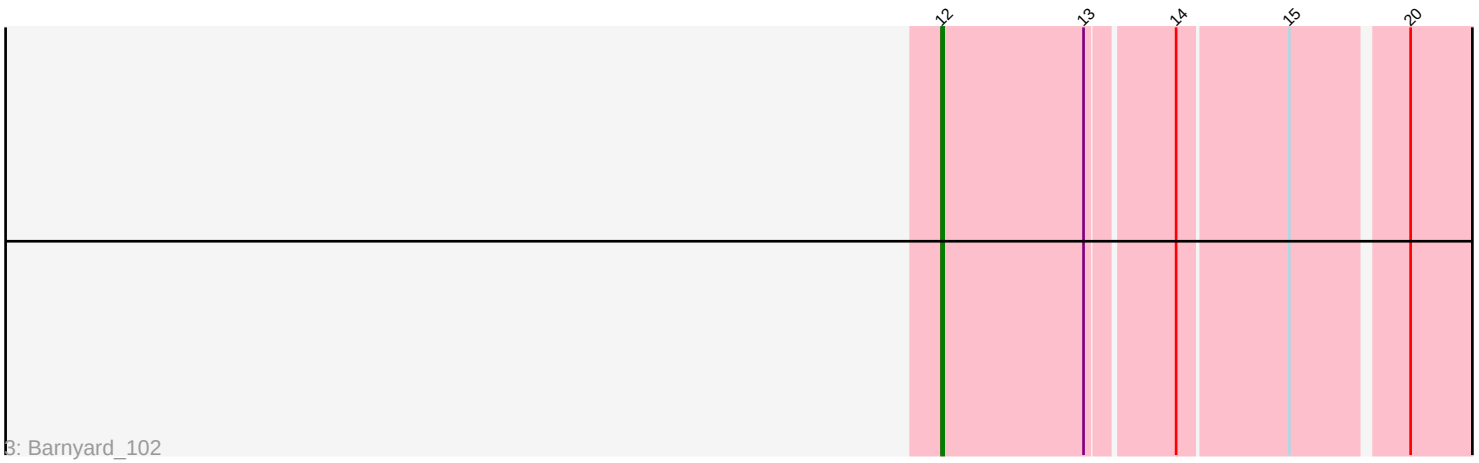
Pham 310384


3
4
5
8
9
10
13
17
1: Cambiare_53 + 1


1
2
6
7
11
16
18
19
2: Cloudyecho_57


12
13
14
15
20
3: Barnyard_102

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 310384 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310384 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Cambiare_53, Avocado_54
• Track 2 : Cloudyecho_57
• Track 3 : Barnyard_102

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Avocado_54, Cambiare_53,

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

Genes that do not have the "Most Annotated" start:
• Barnyard_102, Cloudyecho_57,

Summary by start number:

Start 10:
• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Avocado_54 (G2), Cambiare_53 (G2),

Start 11:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cloudyecho_57 (G3),

Start 12:
• Found in 1 of 4 (25.0%) of genes in pham

• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnyard_102 (H2),

Summary by clusters:

There are 3 clusters represented in this pham: H2, G3, G2,

Info for manual annotations of cluster G2:
•Start number 10 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 11 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster H2:
•Start number 12 was manually annotated 1 time for cluster H2.

Gene Information:

Gene: Avocado_54 Start: 40128, Stop: 40403, Start Num: 10
Candidate Starts for Avocado_54:
(3, 39759), (4, 39771), (5, 39780), (8, 39948), (9, 39993), (Start: 10 @40128 has 2 MA's), (13, 40212), (17, 40338),

Gene: Barnyard_102 Start: 65658, Stop: 65900, Start Num: 12
Candidate Starts for Barnyard_102:
(Start: 12 @65658 has 1 MA's), (13, 65727), (14, 65766), (15, 65817), (20, 65868),

Gene: Cambiare_53 Start: 39928, Stop: 40203, Start Num: 10
Candidate Starts for Cambiare_53:
(3, 39559), (4, 39571), (5, 39580), (8, 39748), (9, 39793), (Start: 10 @39928 has 2 MA's), (13, 40012), (17, 40138),

Gene: Cloudyecho_57 Start: 40888, Stop: 41199, Start Num: 11
Candidate Starts for Cloudyecho_57:
(1, 40477), (2, 40501), (6, 40600), (7, 40684), (Start: 11 @40888 has 1 MA's), (16, 41071), (18, 41101), (19, 41113),