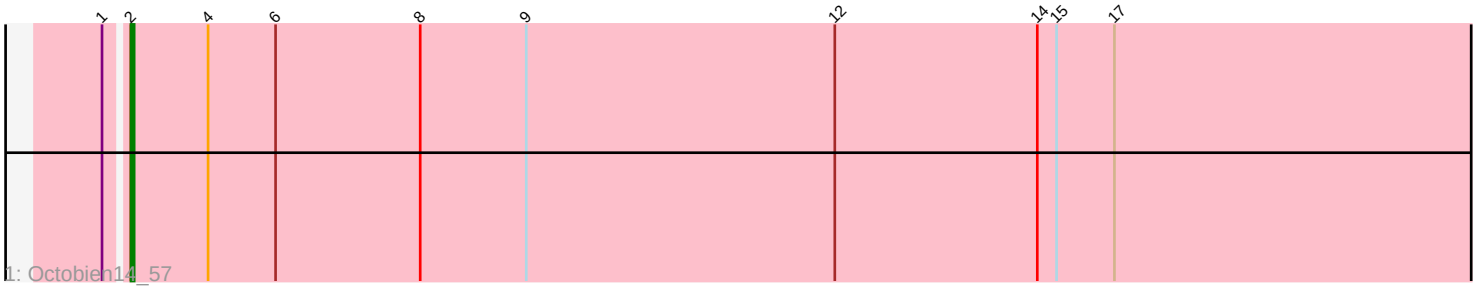
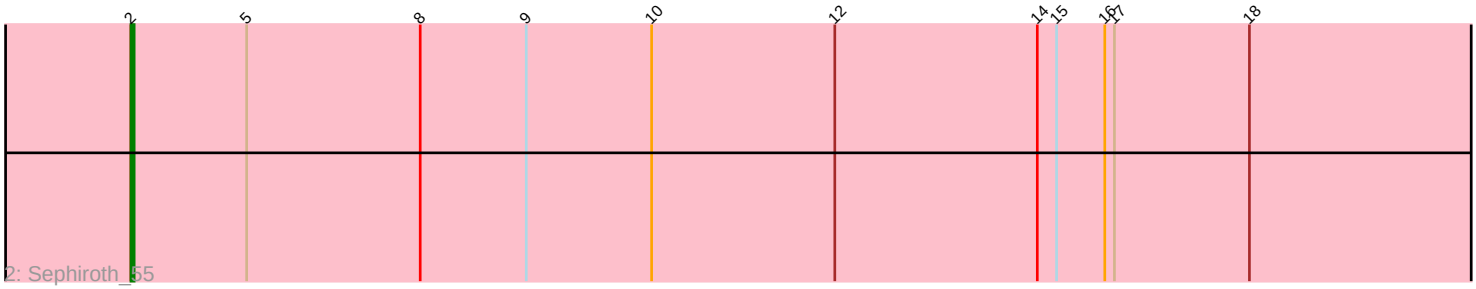
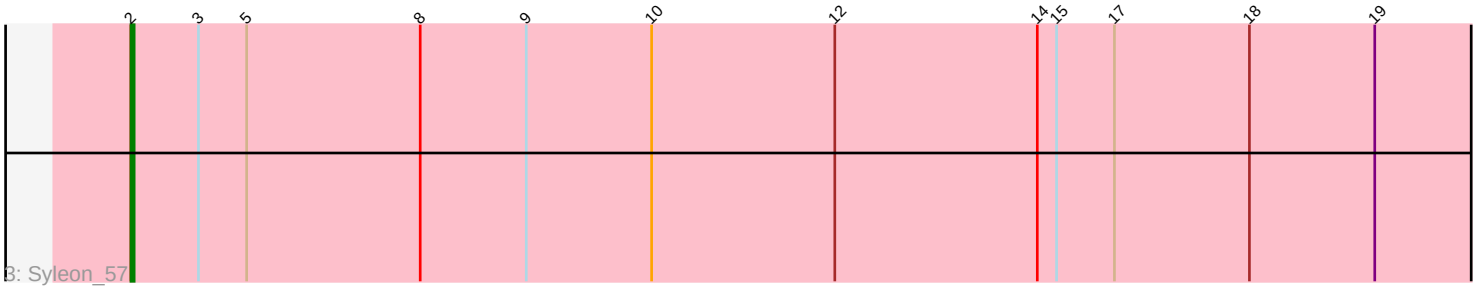
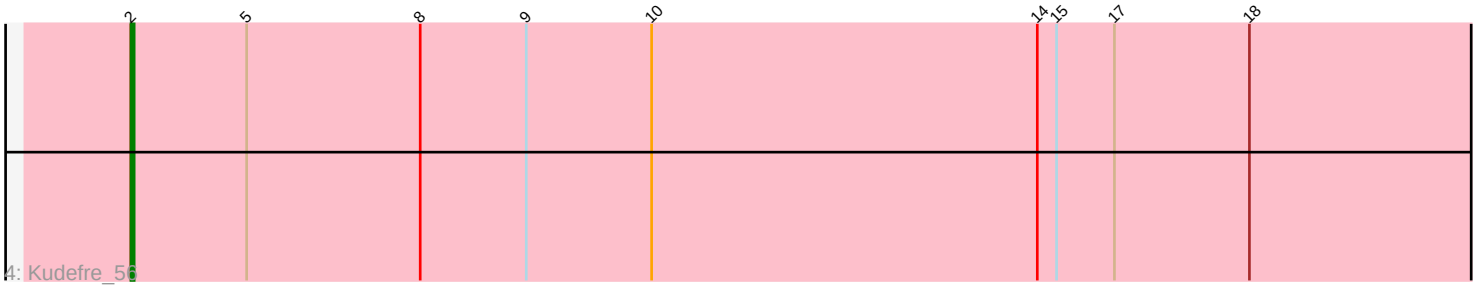
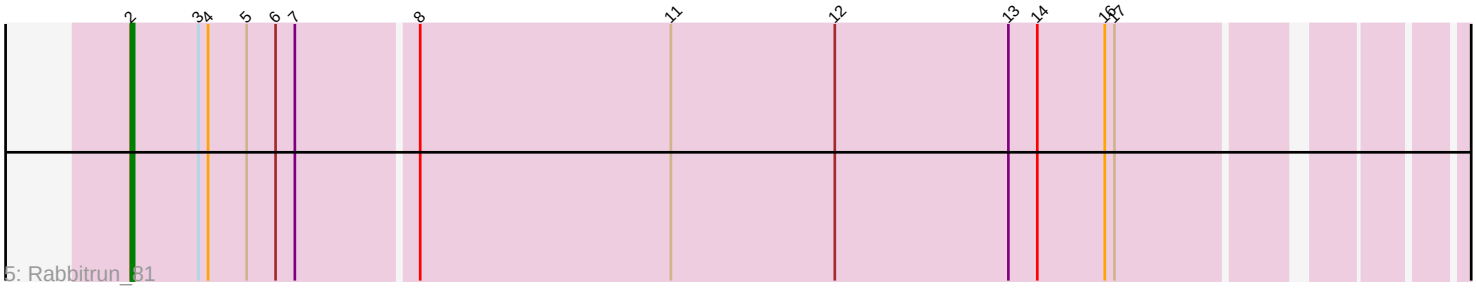
# Pham 348436


1
2
4
6
8
9
12
14
15
17
1: Octobien14_57


2
5
8
9
10
12
14
15
16
17
18
2: Sephiroth_65


2
3
5
8
9
10
12
14
15
17
18
19
3: Syleon_57


2
5
8
9
10
14
15
17
18
4: Kudefre_56


2
3
4
5
6
7
8
11
12
13
14
16
17
5: Rabbitrun_81

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 348436 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348436 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Octobien14_57
• Track 2 : Sephiroth_55
• Track 3 : Syleon_57
• Track 4 : Kudefre_56
• Track 5 : Rabbitrun_81

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kudefre_56, Octobien14_57, Rabbitrun_81, Sephiroth_55, Syleon_57,

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

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

**Summary by start number:**

Start 2:
• Found in 5 of 5 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_56 (DU1), Octobien14_57 (DU1), Rabbitrun_81 (DU2), Sephiroth_55 (DU1), Syleon_57 (DU1),

**Summary by clusters:**

There are 2 clusters represented in this pham: DU1, DU2,

Info for manual annotations of cluster DU1:

•Start number 2 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 2 was manually annotated 1 time for cluster DU2.

### *Gene Information:*

Gene: Kudefre_56 Start: 38215, Stop: 38670, Start Num: 2
Candidate Starts for Kudefre_56:
(Start: 2 @38215 has 5 MA's), (5, 38251), (8, 38305), (9, 38338), (10, 38377), (14, 38497), (15, 38503), (17, 38521), (18, 38563),

Gene: Octobien14_57 Start: 38803, Stop: 39255, Start Num: 2
Candidate Starts for Octobien14_57:
(1, 38797), (Start: 2 @38803 has 5 MA's), (4, 38827), (6, 38848), (8, 38893), (9, 38926), (12, 39022), (14, 39085), (15, 39091), (17, 39109),

Gene: Rabbitrun_81 Start: 49594, Stop: 50031, Start Num: 2
Candidate Starts for Rabbitrun_81:
(Start: 2 @49594 has 5 MA's), (3, 49615), (4, 49618), (5, 49630), (6, 49639), (7, 49645), (8, 49681), (11, 49759), (12, 49810), (13, 49864), (14, 49873), (16, 49894), (17, 49897),

Gene: Sephiroth_55 Start: 38384, Stop: 38839, Start Num: 2
Candidate Starts for Sephiroth_55:
(Start: 2 @38384 has 5 MA's), (5, 38420), (8, 38474), (9, 38507), (10, 38546), (12, 38603), (14, 38666), (15, 38672), (16, 38687), (17, 38690), (18, 38732),

Gene: Syleon_57 Start: 38308, Stop: 38763, Start Num: 2
Candidate Starts for Syleon_57:
(Start: 2 @38308 has 5 MA's), (3, 38329), (5, 38344), (8, 38398), (9, 38431), (10, 38470), (12, 38527), (14, 38590), (15, 38596), (17, 38614), (18, 38656), (19, 38695),