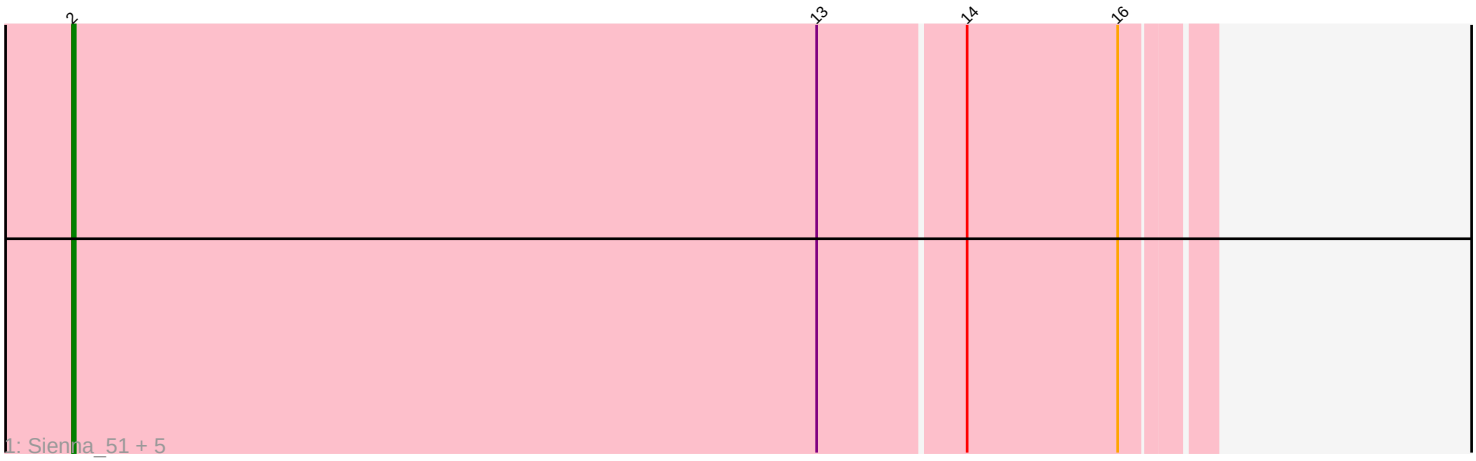
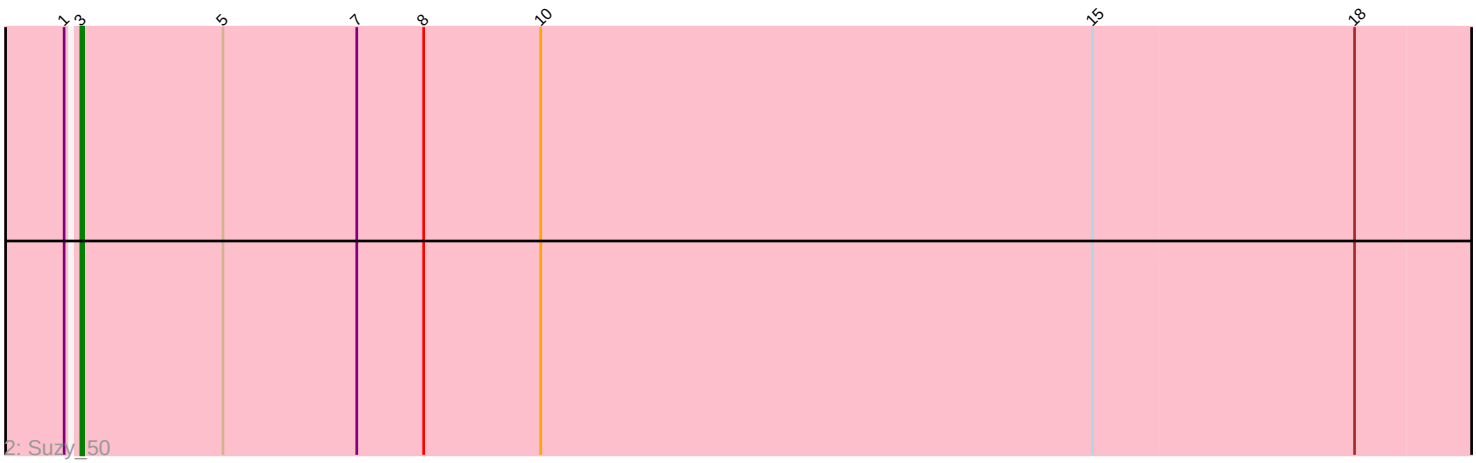
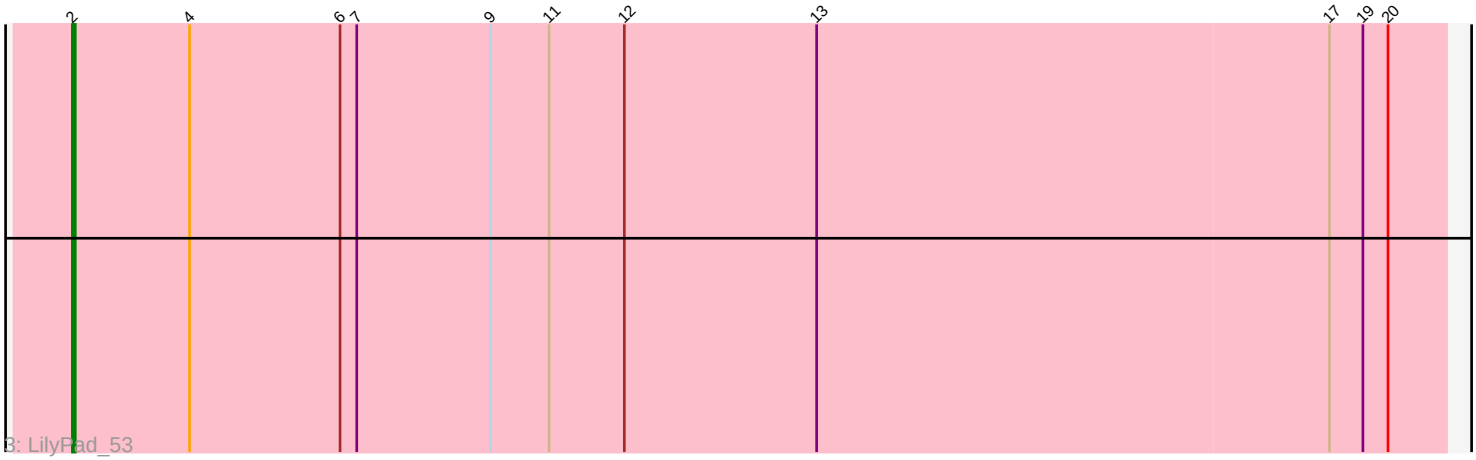
Pham 340272


2
13
14
16
1: Sienna_51 + 5


1
3
5
7
8
10
15
18
2: Suzy_50


2
4
6
7
9
11
12
13
17
19
20
3: LilyRad_53

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 340272 Report

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

Pham number 340272 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sienna_51, BiteSize_51, Djokovic_51, Madi_51, Terapin_52, Beyoncage_51
• Track 2 : Suzy_50
• Track 3 : LilyPad_53

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_51, BiteSize_51, Djokovic_51, LilyPad_53, Madi_51, Sienna_51, Terapin_52,

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

Genes that do not have the "Most Annotated" start:
• Suzy_50,

Summary by start number:

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_51 (DG1), BiteSize_51 (DG1), Djokovic_51 (DG1), LilyPad_53 (DG1), Madi_51 (DG1), Sienna_51 (DG1), Terapin_52 (DG1),

Start 3:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Suzy_50 (DG1),

Summary by clusters:

There is one cluster represented in this pham: DG1

Info for manual annotations of cluster DG1:
•Start number 2 was manually annotated 7 times for cluster DG1.
•Start number 3 was manually annotated 1 time for cluster DG1.

Gene Information:

Gene: Beyoncage_51 Start: 38666, Stop: 39067, Start Num: 2
Candidate Starts for Beyoncage_51:
(Start: 2 @38666 has 7 MA's), (13, 38933), (14, 38984), (16, 39038),

Gene: BiteSize_51 Start: 38752, Stop: 39153, Start Num: 2
Candidate Starts for BiteSize_51:
(Start: 2 @38752 has 7 MA's), (13, 39019), (14, 39070), (16, 39124),

Gene: Djokovic_51 Start: 38665, Stop: 39066, Start Num: 2
Candidate Starts for Djokovic_51:
(Start: 2 @38665 has 7 MA's), (13, 38932), (14, 38983), (16, 39037),

Gene: LilyPad_53 Start: 39892, Stop: 40383, Start Num: 2
Candidate Starts for LilyPad_53:
(Start: 2 @39892 has 7 MA's), (4, 39934), (6, 39988), (7, 39994), (9, 40042), (11, 40063), (12, 40090), (13, 40159), (17, 40342), (19, 40354), (20, 40363),

Gene: Madi_51 Start: 38743, Stop: 39144, Start Num: 2
Candidate Starts for Madi_51:
(Start: 2 @38743 has 7 MA's), (13, 39010), (14, 39061), (16, 39115),

Gene: Sienna_51 Start: 38743, Stop: 39144, Start Num: 2
Candidate Starts for Sienna_51:
(Start: 2 @38743 has 7 MA's), (13, 39010), (14, 39061), (16, 39115),

Gene: Suzy_50 Start: 39624, Stop: 40121, Start Num: 3
Candidate Starts for Suzy_50:
(1, 39621), (Start: 3 @39624 has 1 MA's), (5, 39675), (7, 39723), (8, 39747), (10, 39789), (15, 39987), (18, 40080),

Gene: Terapin_52 Start: 38667, Stop: 39068, Start Num: 2
Candidate Starts for Terapin_52:
(Start: 2 @38667 has 7 MA's), (13, 38934), (14, 38985), (16, 39039),