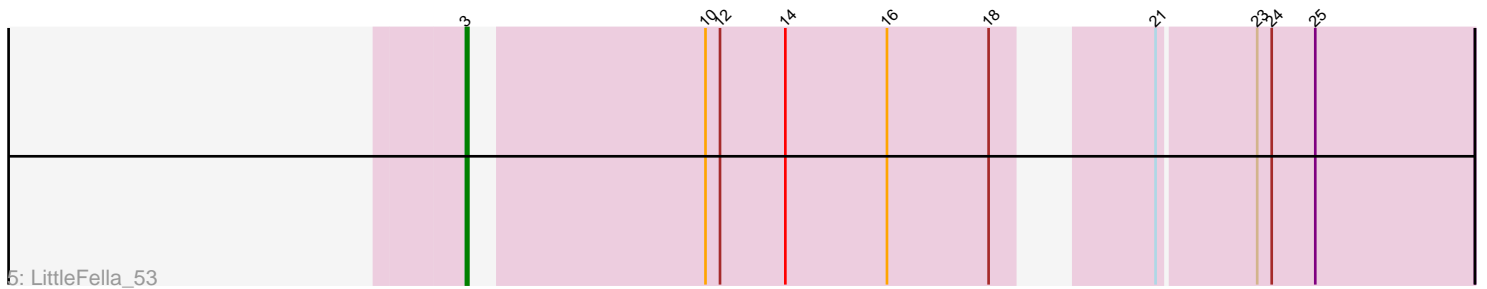
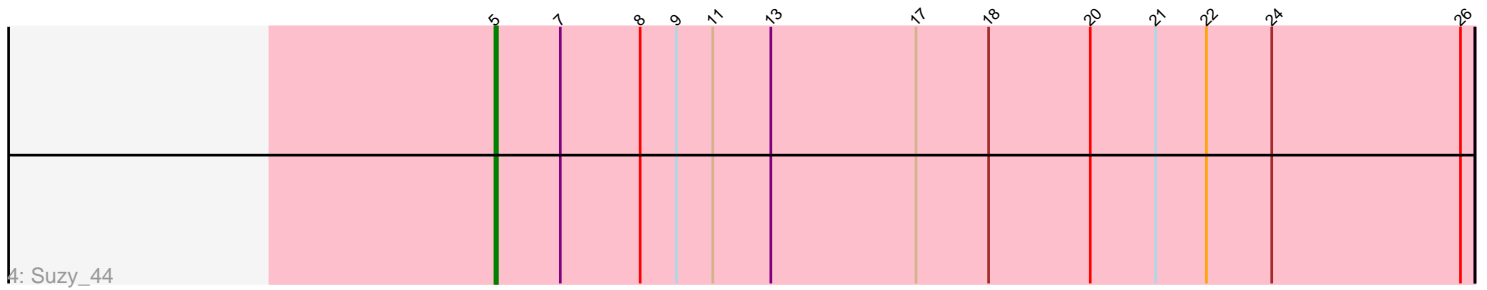
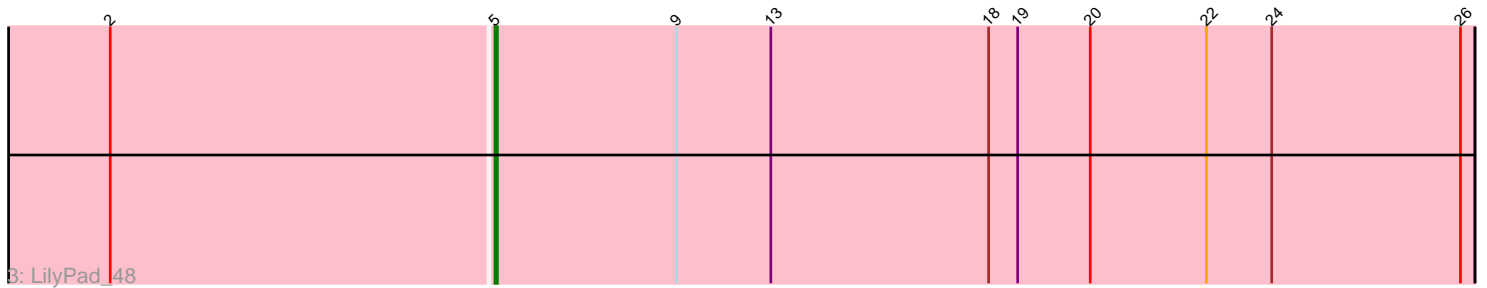
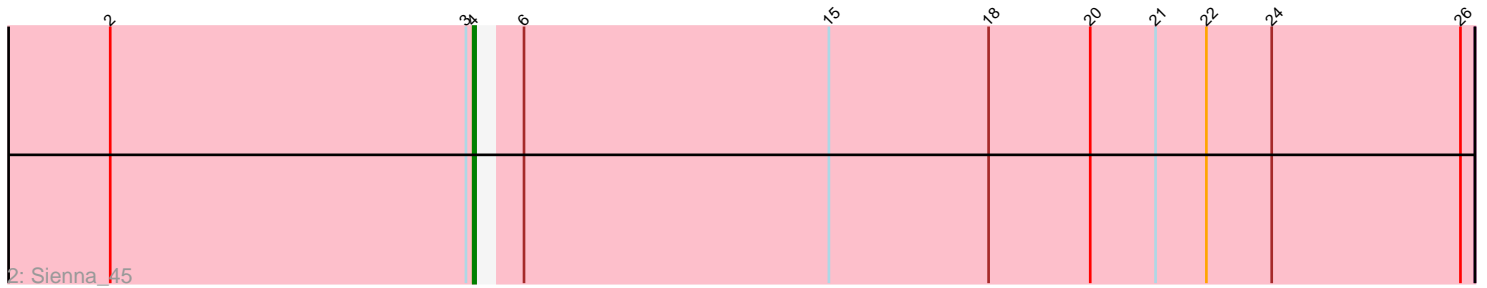
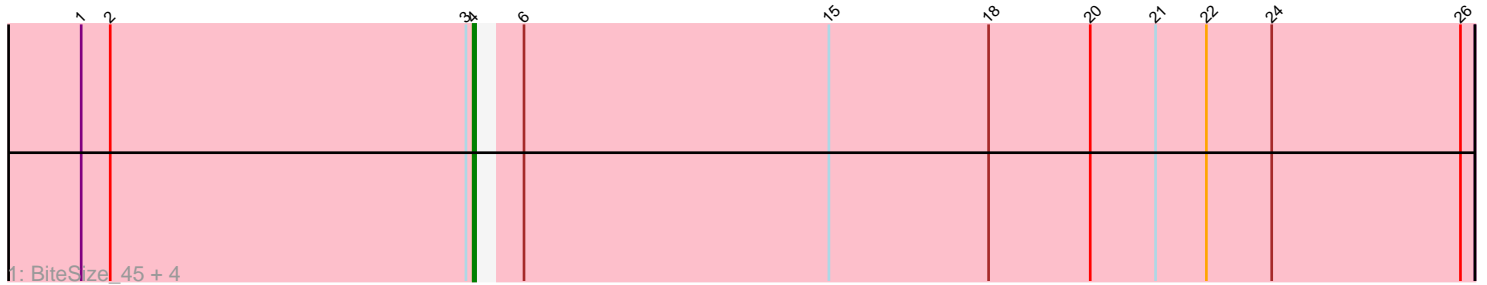


Pham 87660



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 87660 Report

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

Pham number 87660 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BiteSize_45, Beyoncage_45, Madi_45, Djokovic_45, Terapin_46
- Track 2 : Sienna_45
- Track 3 : LilyPad_48
- Track 4 : Suzy_44
- Track 5 : LittleFella_53

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beyoncage_45, BiteSize_45, Djokovic_45, Madi_45, Sienna_45, Terapin_46,

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

-

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

- LilyPad_48, LittleFella_53, Suzy_44,

Summary by start number:

Start 3:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 14.3% of time when present
- Phage (with cluster) where this start called: LittleFella_53 (DG2),

Start 4:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beyoncage_45 (DG1), BiteSize_45 (DG1), Djokovic_45 (DG1), Madi_45 (DG1), Sienna_45 (DG1), Terapin_46 (DG1),

Start 5:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilyPad_48 (DG1), Suzy_44 (DG1),

Summary by clusters:

There are 2 clusters represented in this pham: DG2, DG1,

Info for manual annotations of cluster DG1:

- Start number 4 was manually annotated 6 times for cluster DG1.
- Start number 5 was manually annotated 2 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 3 was manually annotated 1 time for cluster DG2.

Gene Information:

Gene: Beyoncage_45 Start: 35025, Stop: 35429, Start Num: 4

Candidate Starts for Beyoncage_45:

(1, 34863), (2, 34875), (Start: 3 @35022 has 1 MA's), (Start: 4 @35025 has 6 MA's), (6, 35037), (15, 35163), (18, 35229), (20, 35271), (21, 35298), (22, 35319), (24, 35346), (26, 35424),

Gene: BiteSize_45 Start: 35111, Stop: 35515, Start Num: 4

Candidate Starts for BiteSize_45:

(1, 34949), (2, 34961), (Start: 3 @35108 has 1 MA's), (Start: 4 @35111 has 6 MA's), (6, 35123), (15, 35249), (18, 35315), (20, 35357), (21, 35384), (22, 35405), (24, 35432), (26, 35510),

Gene: Djokovic_45 Start: 35024, Stop: 35428, Start Num: 4

Candidate Starts for Djokovic_45:

(1, 34862), (2, 34874), (Start: 3 @35021 has 1 MA's), (Start: 4 @35024 has 6 MA's), (6, 35036), (15, 35162), (18, 35228), (20, 35270), (21, 35297), (22, 35318), (24, 35345), (26, 35423),

Gene: LilyPad_48 Start: 36397, Stop: 36801, Start Num: 5

Candidate Starts for LilyPad_48:

(2, 36241), (Start: 5 @36397 has 2 MA's), (9, 36472), (13, 36511), (18, 36601), (19, 36613), (20, 36643), (22, 36691), (24, 36718), (26, 36796),

Gene: LittleFella_53 Start: 37907, Stop: 38284, Start Num: 3

Candidate Starts for LittleFella_53:

(Start: 3 @37907 has 1 MA's), (10, 37994), (12, 38000), (14, 38027), (16, 38069), (18, 38111), (21, 38156), (23, 38195), (24, 38201), (25, 38219),

Gene: Madi_45 Start: 35102, Stop: 35506, Start Num: 4

Candidate Starts for Madi_45:

(1, 34940), (2, 34952), (Start: 3 @35099 has 1 MA's), (Start: 4 @35102 has 6 MA's), (6, 35114), (15, 35240), (18, 35306), (20, 35348), (21, 35375), (22, 35396), (24, 35423), (26, 35501),

Gene: Sienna_45 Start: 35102, Stop: 35506, Start Num: 4

Candidate Starts for Sienna_45:

(2, 34952), (Start: 3 @35099 has 1 MA's), (Start: 4 @35102 has 6 MA's), (6, 35114), (15, 35240), (18, 35306), (20, 35348), (21, 35375), (22, 35396), (24, 35423), (26, 35501),

Gene: Suzy_44 Start: 35438, Stop: 35842, Start Num: 5

Candidate Starts for Suzy_44:

(Start: 5 @35438 has 2 MA's), (7, 35465), (8, 35498), (9, 35513), (11, 35528), (13, 35552), (17, 35612), (18, 35642), (20, 35684), (21, 35711), (22, 35732), (24, 35759), (26, 35837),

Gene: Terapin_46 Start: 35026, Stop: 35430, Start Num: 4

Candidate Starts for Terapin_46:

(1, 34864), (2, 34876), (Start: 3 @35023 has 1 MA's), (Start: 4 @35026 has 6 MA's), (6, 35038), (15, 35164), (18, 35230), (20, 35272), (21, 35299), (22, 35320), (24, 35347), (26, 35425),