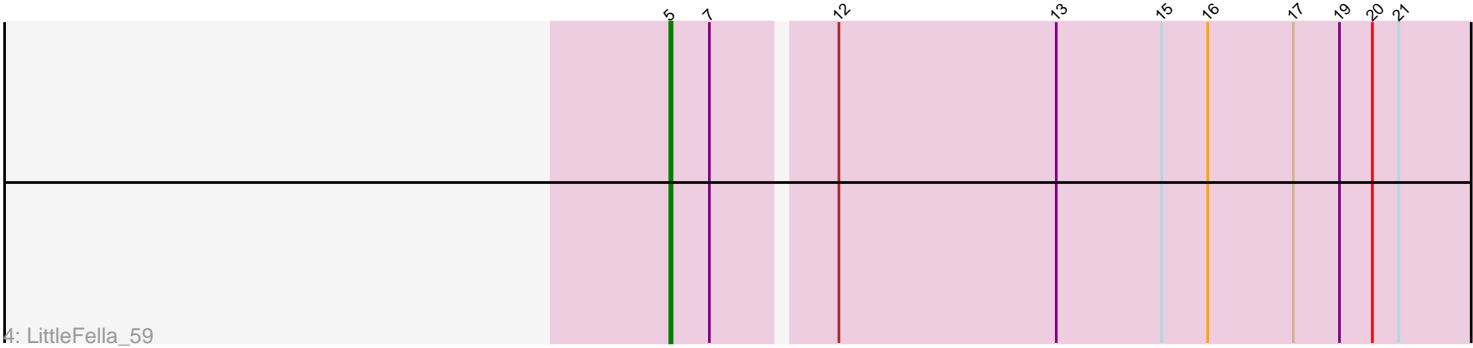
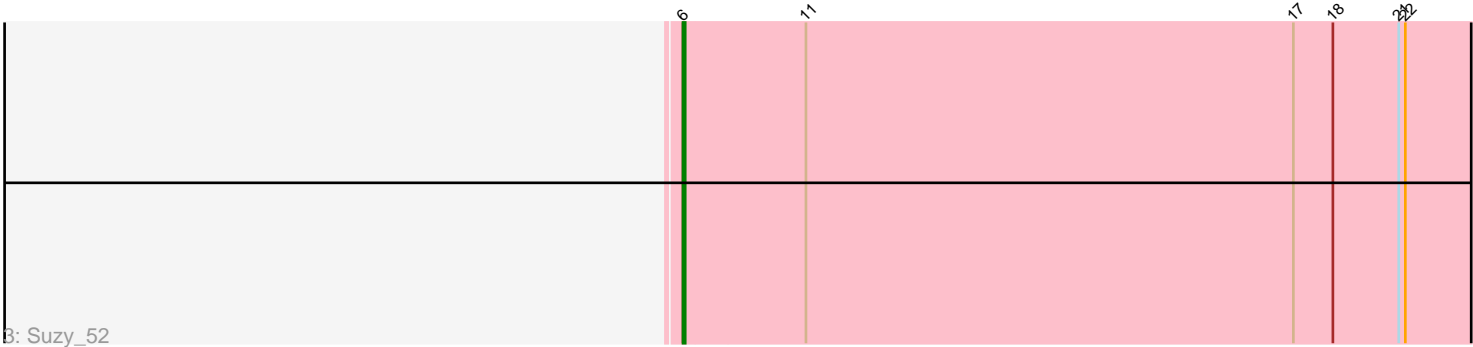
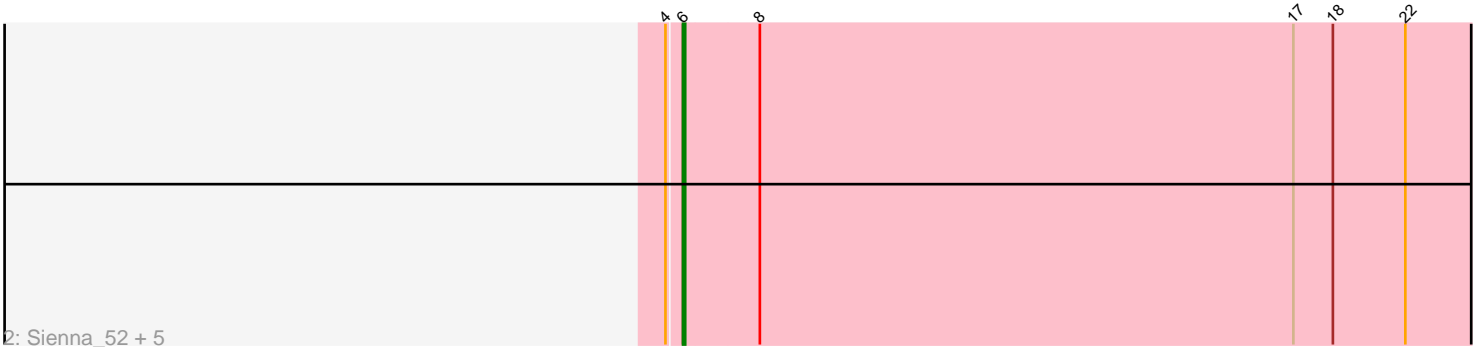
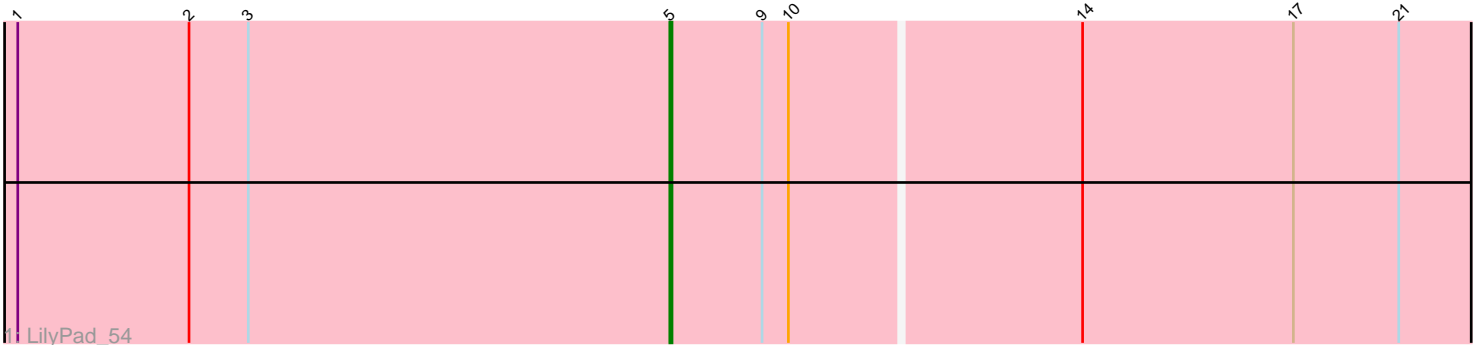


Pham 6004



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 6004 Report

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

Pham number 6004 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : LilyPad_54
- Track 2 : Sienna_52, BiteSize_52, Djokovic_52, Madi_52, Beyoncage_52, Terapin_53
- Track 3 : Suzy_52
- Track 4 : LittleFella_59

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beyoncage_52, BiteSize_52, Djokovic_52, Madi_52, Sienna_52, Suzy_52, Terapin_53,

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

-

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

- LilyPad_54, LittleFella_59,

Summary by start number:

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_54 (DG1), LittleFella_59 (DG2),

Start 6:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 7 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Beyoncage_52 (DG1), BiteSize_52 (DG1), Djokovic_52 (DG1), Madi_52 (DG1), Sienna_52 (DG1), Suzy_52 (DG1), Terapin_53 (DG1),

Summary by clusters:

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

Info for manual annotations of cluster DG1:

- Start number 5 was manually annotated 1 time for cluster DG1.
- Start number 6 was manually annotated 7 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 5 was manually annotated 1 time for cluster DG2.

Gene Information:

Gene: Beyoncage_52 Start: 39060, Stop: 39464, Start Num: 6

Candidate Starts for Beyoncage_52:

(4, 39054), (Start: 6 @39060 has 7 MA's), (8, 39093), (17, 39336), (18, 39354), (22, 39387),

Gene: BiteSize_52 Start: 39146, Stop: 39550, Start Num: 6

Candidate Starts for BiteSize_52:

(4, 39140), (Start: 6 @39146 has 7 MA's), (8, 39179), (17, 39422), (18, 39440), (22, 39473),

Gene: Djokovic_52 Start: 39059, Stop: 39463, Start Num: 6

Candidate Starts for Djokovic_52:

(4, 39053), (Start: 6 @39059 has 7 MA's), (8, 39092), (17, 39335), (18, 39353), (22, 39386),

Gene: LilyPad_54 Start: 40380, Stop: 40781, Start Num: 5

Candidate Starts for LilyPad_54:

(1, 40083), (2, 40161), (3, 40188), (Start: 5 @40380 has 2 MA's), (9, 40422), (10, 40434), (14, 40563), (17, 40659), (21, 40707),

Gene: LittleFella_59 Start: 42100, Stop: 42504, Start Num: 5

Candidate Starts for LittleFella_59:

(Start: 5 @42100 has 2 MA's), (7, 42118), (12, 42169), (13, 42268), (15, 42316), (16, 42337), (17, 42376), (19, 42397), (20, 42412), (21, 42424),

Gene: Madi_52 Start: 39137, Stop: 39541, Start Num: 6

Candidate Starts for Madi_52:

(4, 39131), (Start: 6 @39137 has 7 MA's), (8, 39170), (17, 39413), (18, 39431), (22, 39464),

Gene: Sienna_52 Start: 39137, Stop: 39541, Start Num: 6

Candidate Starts for Sienna_52:

(4, 39131), (Start: 6 @39137 has 7 MA's), (8, 39170), (17, 39413), (18, 39431), (22, 39464),

Gene: Suzy_52 Start: 40332, Stop: 40736, Start Num: 6

Candidate Starts for Suzy_52:

(Start: 6 @40332 has 7 MA's), (11, 40386), (17, 40608), (18, 40626), (21, 40656), (22, 40659),

Gene: Terapin_53 Start: 39061, Stop: 39465, Start Num: 6

Candidate Starts for Terapin_53:

(4, 39055), (Start: 6 @39061 has 7 MA's), (8, 39094), (17, 39337), (18, 39355), (22, 39388),