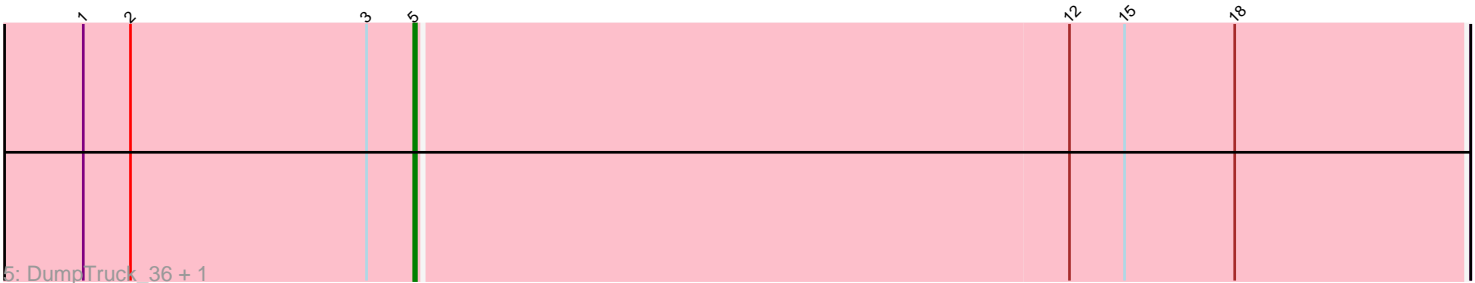
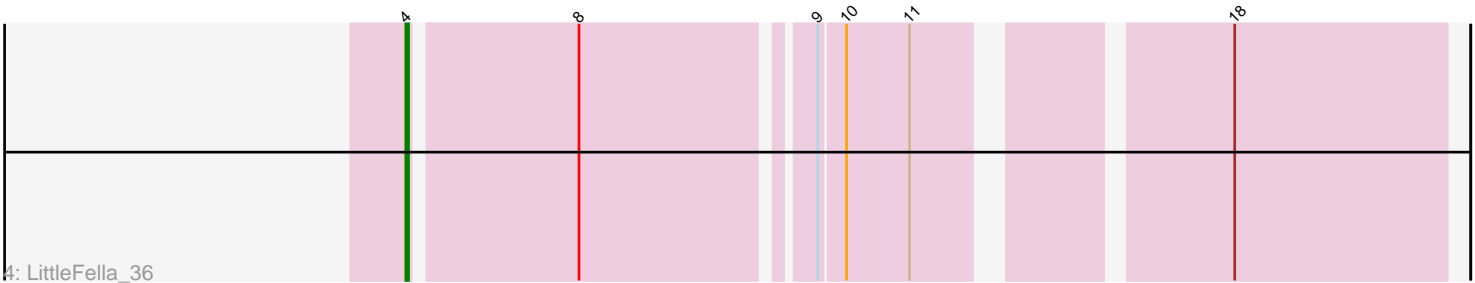
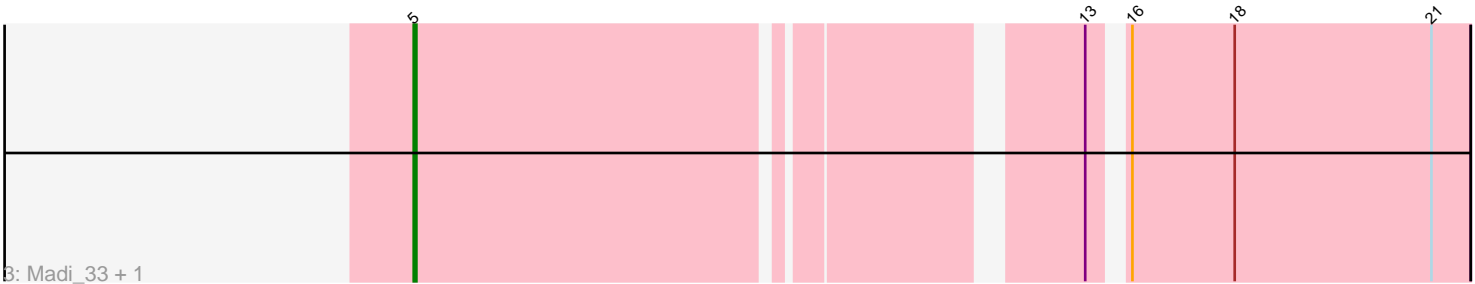


Pham 5805



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 5805 Report

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

Pham number 5805 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : LilyPad_35
- Track 2 : Beyoncage_33, BiteSize_33, Djokovic_33, Terapin_34
- Track 3 : Madi_33, Sienna_33
- Track 4 : LittleFella_36
- Track 5 : DumpTruck_36, Xenia2_37

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

The start number called the most often in the published annotations is 5, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beyoncage_33, BiteSize_33, Djokovic_33, DumpTruck_36, LilyPad_35, Madi_33, Sienna_33, Terapin_34, Xenia2_37,

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

-

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

- LittleFella_36,

Summary by start number:

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleFella_36 (DG2),

Start 5:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Beyoncage_33 (DG1), BiteSize_33 (DG1), Djokovic_33 (DG1), DumpTruck_36 (DV), LilyPad_35 (DG1), Madi_33 (DG1), Sienna_33 (DG1), Terapin_34 (DG1), Xenia2_37 (DV),

Summary by clusters:

There are 3 clusters represented in this pham: DG2, DV, DG1,

Info for manual annotations of cluster DG1:

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

Info for manual annotations of cluster DG2:

- Start number 4 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DV:

- Start number 5 was manually annotated 2 times for cluster DV.

Gene Information:

Gene: Beyoncage_33 Start: 28465, Stop: 28833, Start Num: 5

Candidate Starts for Beyoncage_33:

(Start: 5 @28465 has 9 MA's), (6, 28492), (7, 28522), (8, 28528), (13, 28696), (14, 28699), (16, 28705), (18, 28744), (21, 28819),

Gene: BiteSize_33 Start: 28465, Stop: 28833, Start Num: 5

Candidate Starts for BiteSize_33:

(Start: 5 @28465 has 9 MA's), (6, 28492), (7, 28522), (8, 28528), (13, 28696), (14, 28699), (16, 28705), (18, 28744), (21, 28819),

Gene: Djokovic_33 Start: 28464, Stop: 28832, Start Num: 5

Candidate Starts for Djokovic_33:

(Start: 5 @28464 has 9 MA's), (6, 28491), (7, 28521), (8, 28527), (13, 28695), (14, 28698), (16, 28704), (18, 28743), (21, 28818),

Gene: DumpTruck_36 Start: 30876, Stop: 31271, Start Num: 5

Candidate Starts for DumpTruck_36:

(1, 30750), (2, 30768), (3, 30858), (Start: 5 @30876 has 9 MA's), (12, 31122), (15, 31143), (18, 31185),

Gene: LilyPad_35 Start: 29271, Stop: 29639, Start Num: 5

Candidate Starts for LilyPad_35:

(Start: 5 @29271 has 9 MA's), (12, 29496), (13, 29502), (16, 29511), (17, 29529), (18, 29550), (19, 29601), (20, 29607), (21, 29625),

Gene: LittleFella_36 Start: 31066, Stop: 31422, Start Num: 4

Candidate Starts for LittleFella_36:

(Start: 4 @31066 has 1 MA's), (8, 31126), (9, 31207), (10, 31216), (11, 31240), (18, 31342),

Gene: Madi_33 Start: 28465, Stop: 28833, Start Num: 5

Candidate Starts for Madi_33:

(Start: 5 @28465 has 9 MA's), (13, 28696), (16, 28705), (18, 28744), (21, 28819),

Gene: Sienna_33 Start: 28465, Stop: 28833, Start Num: 5

Candidate Starts for Sienna_33:

(Start: 5 @28465 has 9 MA's), (13, 28696), (16, 28705), (18, 28744), (21, 28819),

Gene: Terapin_34 Start: 28466, Stop: 28834, Start Num: 5

Candidate Starts for Terapin_34:

(Start: 5 @28466 has 9 MA's), (6, 28493), (7, 28523), (8, 28529), (13, 28697), (14, 28700), (16, 28706), (18, 28745), (21, 28820),

Gene: Xenia2_37 Start: 30921, Stop: 31316, Start Num: 5

Candidate Starts for Xenia2_37:

(1, 30795), (2, 30813), (3, 30903), (Start: 5 @30921 has 9 MA's), (12, 31167), (15, 31188), (18, 31230),