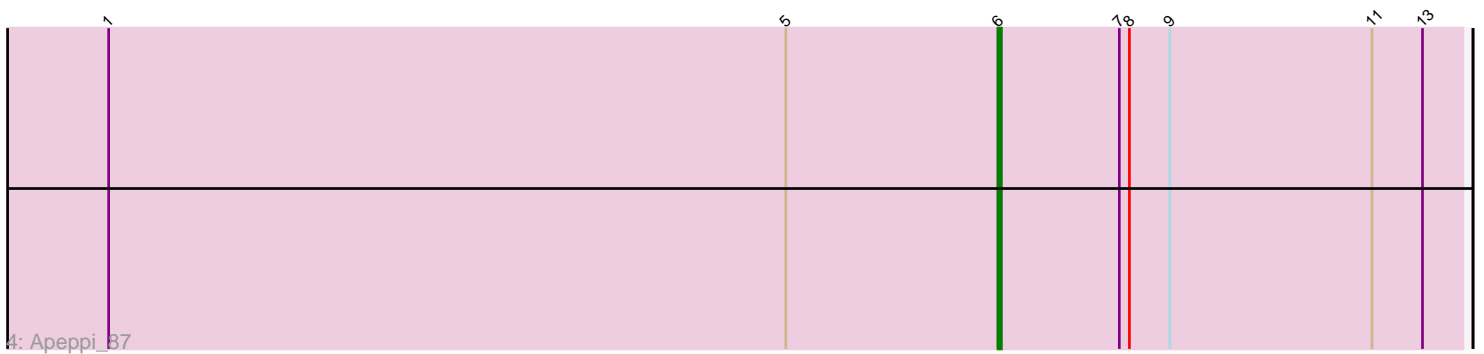# Pham 207473
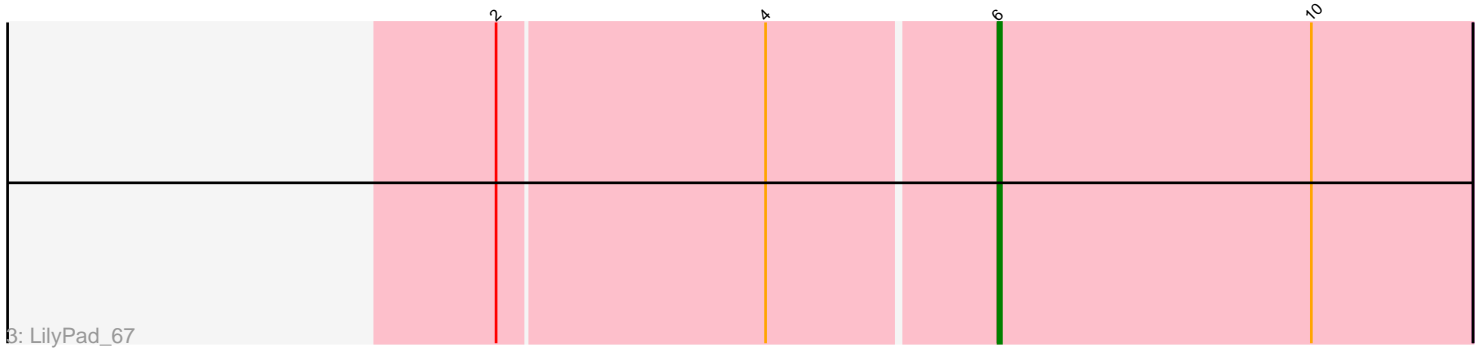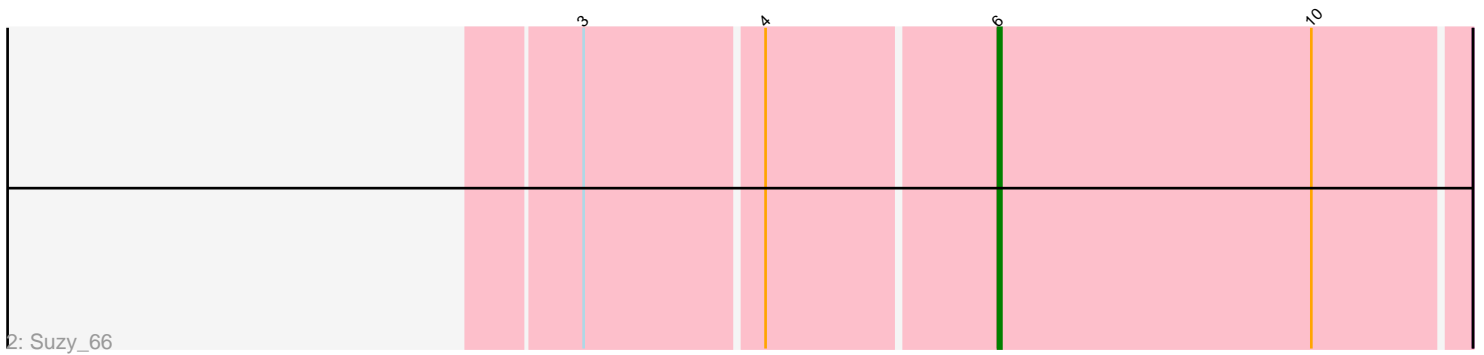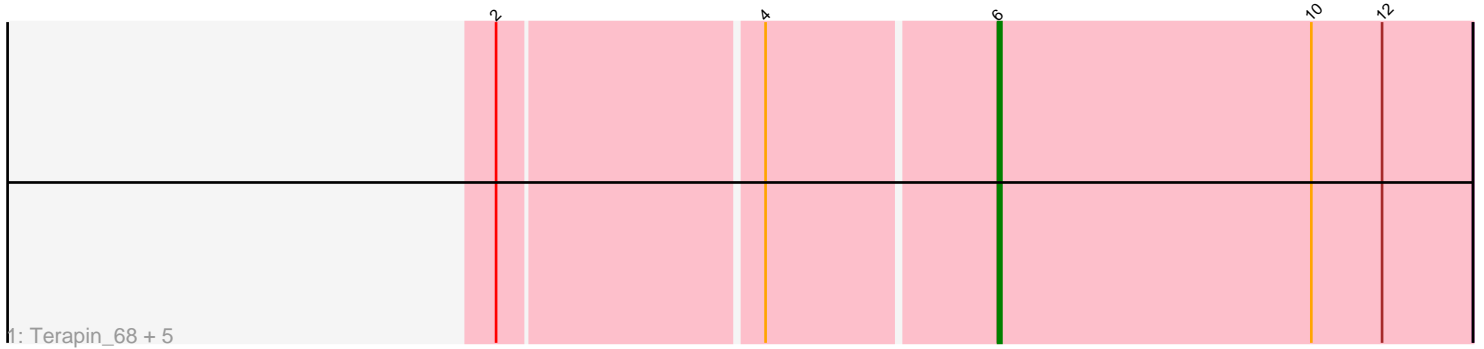

1: Terapin_68 + 5

2: Suzy_66

3: LilyPad_67

4: Apeppi_B7

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 207473 Report

This analysis was run 02/22/25 on database version 588.

Pham number 207473 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Terapin_68, Sienna_67, Madi_66, Djokovic_67, BiteSize_67, Beyoncage_67
• Track 2 : Suzy_66
• Track 3 : LilyPad_67
• Track 4 : Apeppi_87

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apeppi_87, Beyoncage_67, BiteSize_67, Djokovic_67, LilyPad_67, Madi_66, Sienna_67, Suzy_66, Terapin_68,

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 6:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apeppi_87 (DV), Beyoncage_67 (DG1), BiteSize_67 (DG1), Djokovic_67 (DG1), LilyPad_67 (DG1), Madi_66 (DG1), Sienna_67 (DG1), Suzy_66 (DG1), Terapin_68 (DG1),

Summary by clusters:

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

Info for manual annotations of cluster DG1:
•Start number 6 was manually annotated 8 times for cluster DG1.

Info for manual annotations of cluster DV:
•Start number 6 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: Apeppi_87 Start: 63900, Stop: 64037, Start Num: 6
Candidate Starts for Apeppi_87:
(1, 63636), (5, 63837), (Start: 6 @63900 has 9 MA's), (7, 63936), (8, 63939), (9, 63951), (11, 64011), (13, 64026),

Gene: Beyoncage_67 Start: 50195, Stop: 50335, Start Num: 6
Candidate Starts for Beyoncage_67:
(2, 50054), (4, 50129), (Start: 6 @50195 has 9 MA's), (10, 50288), (12, 50309),

Gene: BiteSize_67 Start: 50281, Stop: 50421, Start Num: 6
Candidate Starts for BiteSize_67:
(2, 50140), (4, 50215), (Start: 6 @50281 has 9 MA's), (10, 50374), (12, 50395),

Gene: Djokovic_67 Start: 50194, Stop: 50334, Start Num: 6
Candidate Starts for Djokovic_67:
(2, 50053), (4, 50128), (Start: 6 @50194 has 9 MA's), (10, 50287), (12, 50308),

Gene: LilyPad_67 Start: 50812, Stop: 50952, Start Num: 6
Candidate Starts for LilyPad_67:
(2, 50668), (4, 50746), (Start: 6 @50812 has 9 MA's), (10, 50905),

Gene: Madi_66 Start: 50031, Stop: 50171, Start Num: 6
Candidate Starts for Madi_66:
(2, 49890), (4, 49965), (Start: 6 @50031 has 9 MA's), (10, 50124), (12, 50145),

Gene: Sienna_67 Start: 50272, Stop: 50412, Start Num: 6
Candidate Starts for Sienna_67:
(2, 50131), (4, 50206), (Start: 6 @50272 has 9 MA's), (10, 50365), (12, 50386),

Gene: Suzy_66 Start: 51225, Stop: 51362, Start Num: 6
Candidate Starts for Suzy_66:
(3, 51108), (4, 51159), (Start: 6 @51225 has 9 MA's), (10, 51318),

Gene: Terapin_68 Start: 50196, Stop: 50336, Start Num: 6
Candidate Starts for Terapin_68:
(2, 50055), (4, 50130), (Start: 6 @50196 has 9 MA's), (10, 50289), (12, 50310),