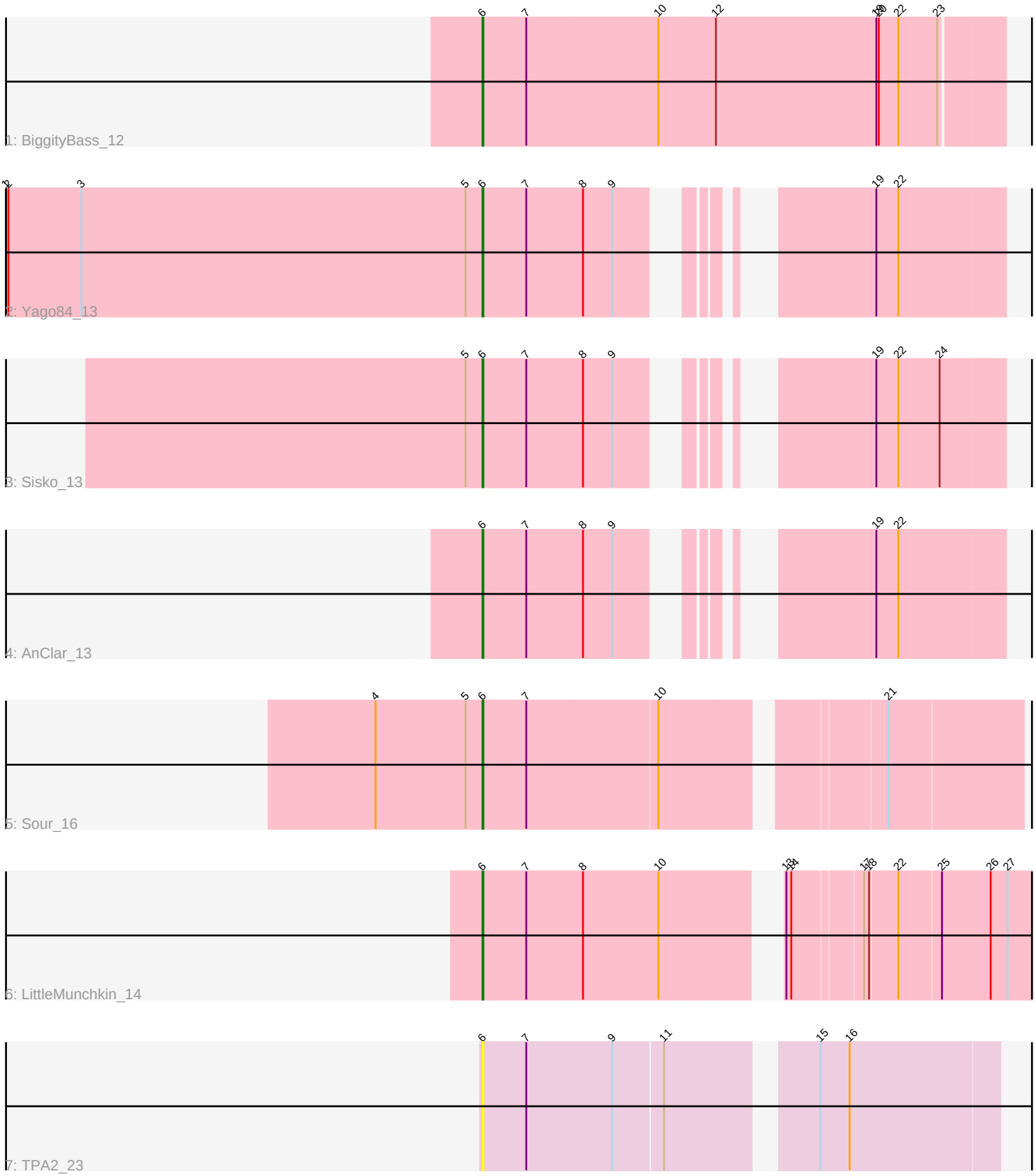
# Pham 348367


1: BiggityBass_12
2: Yago84_13
3: Sisko_13
4: AnClar_13
5: Sour_16
6: LittleMunchkin_14
7: TPA2_23

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 348367 Report

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

Pham number 348367 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BiggityBass_12
• Track 2 : Yago84_13
• Track 3 : Sisko_13
• Track 4 : AnClar_13
• Track 5 : Sour_16
• Track 6 : LittleMunchkin_14
• Track 7 : TPA2_23

***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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_13, BiggityBass_12, LittleMunchkin_14, Sisko_13, Sour_16, TPA2_23, Yago84_13,

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 7 of 7 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_13 (DR), BiggityBass_12 (DR), LittleMunchkin_14 (DR), Sisko_13 (DR), Sour_16 (DR), TPA2_23 (singleton), Yago84_13 (DR),

**Summary by clusters:**

There are 2 clusters represented in this pham: singleton, DR,

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

***Gene Information:***

Gene: AnClar_13 Start: 13251, Stop: 13772, Start Num: 6
Candidate Starts for AnClar_13:
(Start: 6 @13251 has 6 MA's), (7, 13305), (8, 13374), (9, 13410), (19, 13617), (22, 13644),

Gene: BiggityBass_12 Start: 12234, Stop: 12866, Start Num: 6
Candidate Starts for BiggityBass_12:
(Start: 6 @12234 has 6 MA's), (7, 12288), (10, 12450), (12, 12519), (19, 12717), (20, 12720), (22, 12744), (23, 12792),

Gene: LittleMunchkin_14 Start: 13719, Stop: 14384, Start Num: 6
Candidate Starts for LittleMunchkin_14:
(Start: 6 @13719 has 6 MA's), (7, 13773), (8, 13842), (10, 13935), (13, 14049), (14, 14055), (17, 14136), (18, 14142), (22, 14175), (25, 14226), (26, 14286), (27, 14307),

Gene: Sisko_13 Start: 12759, Stop: 13280, Start Num: 6
Candidate Starts for Sisko_13:
(5, 12738), (Start: 6 @12759 has 6 MA's), (7, 12813), (8, 12882), (9, 12918), (19, 13125), (22, 13152), (24, 13203),

Gene: Sour_16 Start: 14097, Stop: 14714, Start Num: 6
Candidate Starts for Sour_16:
(4, 13965), (5, 14076), (Start: 6 @14097 has 6 MA's), (7, 14151), (10, 14310), (21, 14553),

Gene: TPA2_23 Start: 15116, Stop: 15712, Start Num: 6
Candidate Starts for TPA2_23:
(Start: 6 @15116 has 6 MA's), (7, 15170), (9, 15275), (11, 15335), (15, 15494), (16, 15530),

Gene: Yago84_13 Start: 12768, Stop: 13289, Start Num: 6
Candidate Starts for Yago84_13:
(1, 12180), (2, 12183), (3, 12273), (5, 12747), (Start: 6 @12768 has 6 MA's), (7, 12822), (8, 12891), (9, 12927), (19, 13134), (22, 13161),