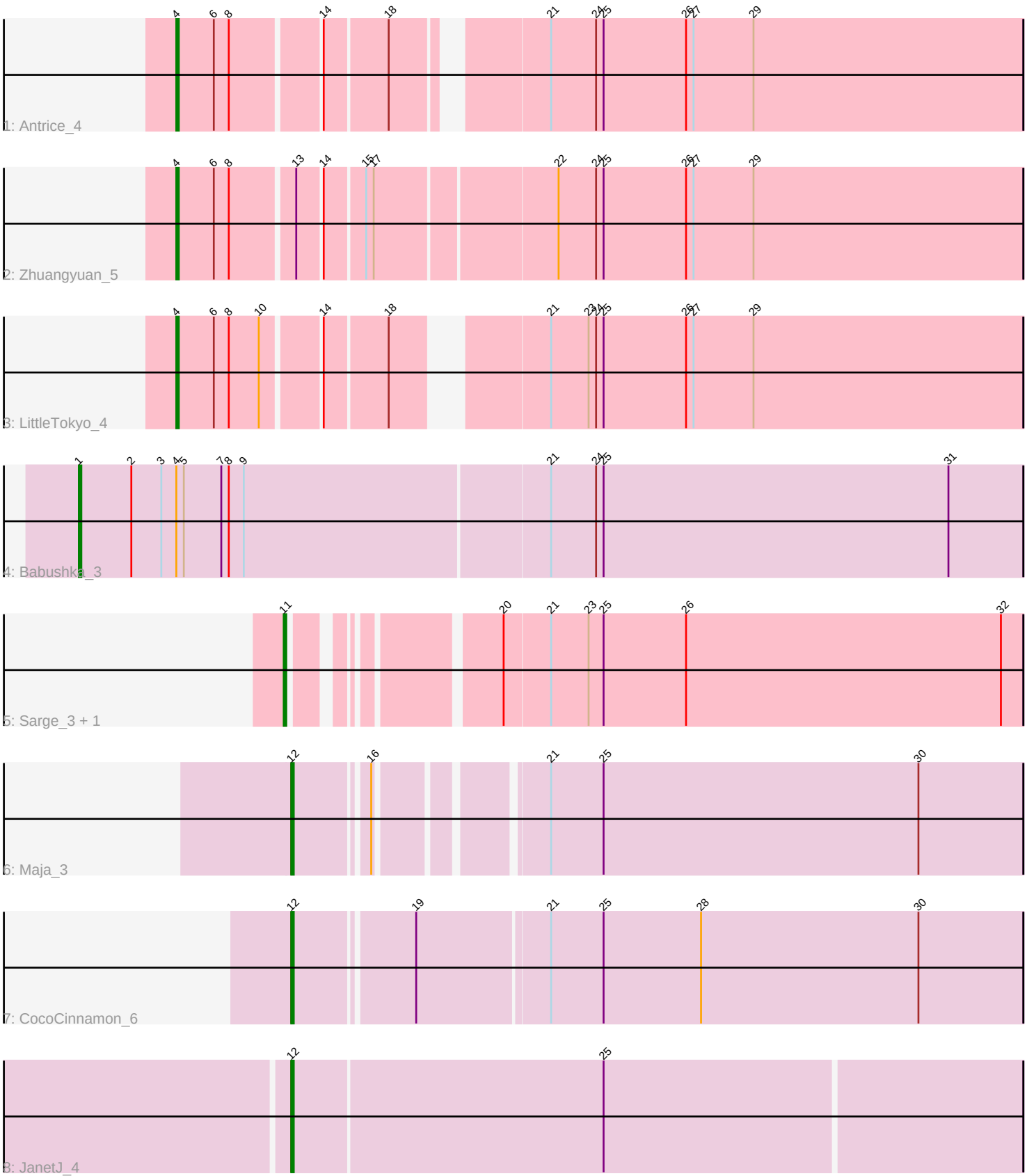
Pham 348299


1: Antrice_4
2: Zhuangyuan_5
3: LittleTokyo_4
4: Babushka_3
5: Sarge_3 + 1
6: Maja_3
7: CocoCinnamon_6
8: JanetJ_4

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 348299 Report

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

Pham number 348299 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Antrice_4
• Track 2 : Zhuangyuan_5
• Track 3 : LittleTokyo_4
• Track 4 : Babushka_3
• Track 5 : Sarge_3, BrayBeast_3
• Track 6 : Maja_3
• Track 7 : CocoCinnamon_6
• Track 8 : JanetJ_4

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

The start number called the most often in the published annotations is 12, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CocoCinnamon_6, JanetJ_4, Maja_3,

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

Genes that do not have the "Most Annotated" start:
• Antrice_4, Babushka_3, BrayBeast_3, LittleTokyo_4, Sarge_3, Zhuangyuan_5,

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babushka_3 (AS3),

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 9

• Called 75.0% of time when present
• Phage (with cluster) where this start called: Antrice_4 (AS2), LittleTokyo_4 (AS2), Zhuangyuan_5 (AS2),

Start 11:
• 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: BrayBeast_3 (FB), Sarge_3 (FB),

Start 12:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CocoCinnamon_6 (FO), JanetJ_4 (FO), Maja_3 (FO),

Summary by clusters:

There are 4 clusters represented in this pham: AS3, AS2, FB, FO,

Info for manual annotations of cluster AS2:
•Start number 4 was manually annotated 3 times for cluster AS2.

Info for manual annotations of cluster AS3:
•Start number 1 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster FB:
•Start number 11 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FO:
•Start number 12 was manually annotated 3 times for cluster FO.

Gene Information:

Gene: Antrice_4 Start: 2338, Stop: 2655, Start Num: 4
Candidate Starts for Antrice_4:
(Start: 4 @2338 has 3 MA's), (6, 2353), (8, 2359), (14, 2392), (18, 2416), (21, 2467), (24, 2485), (25, 2488), (26, 2521), (27, 2524), (29, 2548),

Gene: Babushka_3 Start: 1991, Stop: 2365, Start Num: 1
Candidate Starts for Babushka_3:
(Start: 1 @1991 has 1 MA's), (2, 2012), (3, 2024), (Start: 4 @2030 has 3 MA's), (5, 2033), (7, 2048), (8, 2051), (9, 2057), (21, 2177), (24, 2195), (25, 2198), (31, 2336),

Gene: BrayBeast_3 Start: 1772, Stop: 2044, Start Num: 11
Candidate Starts for BrayBeast_3:
(Start: 11 @1772 has 2 MA's), (20, 1838), (21, 1856), (23, 1871), (25, 1877), (26, 1910), (32, 2036),

Gene: CocoCinnamon_6 Start: 2894, Stop: 3178, Start Num: 12
Candidate Starts for CocoCinnamon_6:

(Start: 12 @2894 has 3 MA's), (19, 2939), (21, 2990), (25, 3011), (28, 3050), (30, 3137),

Gene: JanetJ_4 Start: 2612, Stop: 2899, Start Num: 12
Candidate Starts for JanetJ_4:
(Start: 12 @2612 has 3 MA's), (25, 2735),

Gene: LittleTokyo_4 Start: 2335, Stop: 2649, Start Num: 4
Candidate Starts for LittleTokyo_4:
(Start: 4 @2335 has 3 MA's), (6, 2350), (8, 2356), (10, 2368), (14, 2389), (18, 2413), (21, 2461), (23, 2476), (24, 2479), (25, 2482), (26, 2515), (27, 2518), (29, 2542),

Gene: Maja_3 Start: 2197, Stop: 2469, Start Num: 12
Candidate Starts for Maja_3:
(Start: 12 @2197 has 3 MA's), (16, 2224), (21, 2281), (25, 2302), (30, 2428),

Gene: Sarge_3 Start: 1772, Stop: 2044, Start Num: 11
Candidate Starts for Sarge_3:
(Start: 11 @1772 has 2 MA's), (20, 1838), (21, 1856), (23, 1871), (25, 1877), (26, 1910), (32, 2036),

Gene: Zhuangyuan_5 Start: 2685, Stop: 3011, Start Num: 4
Candidate Starts for Zhuangyuan_5:
(Start: 4 @2685 has 3 MA's), (6, 2700), (8, 2706), (13, 2730), (14, 2739), (15, 2754), (17, 2757), (22, 2826), (24, 2841), (25, 2844), (26, 2877), (27, 2880), (29, 2904),