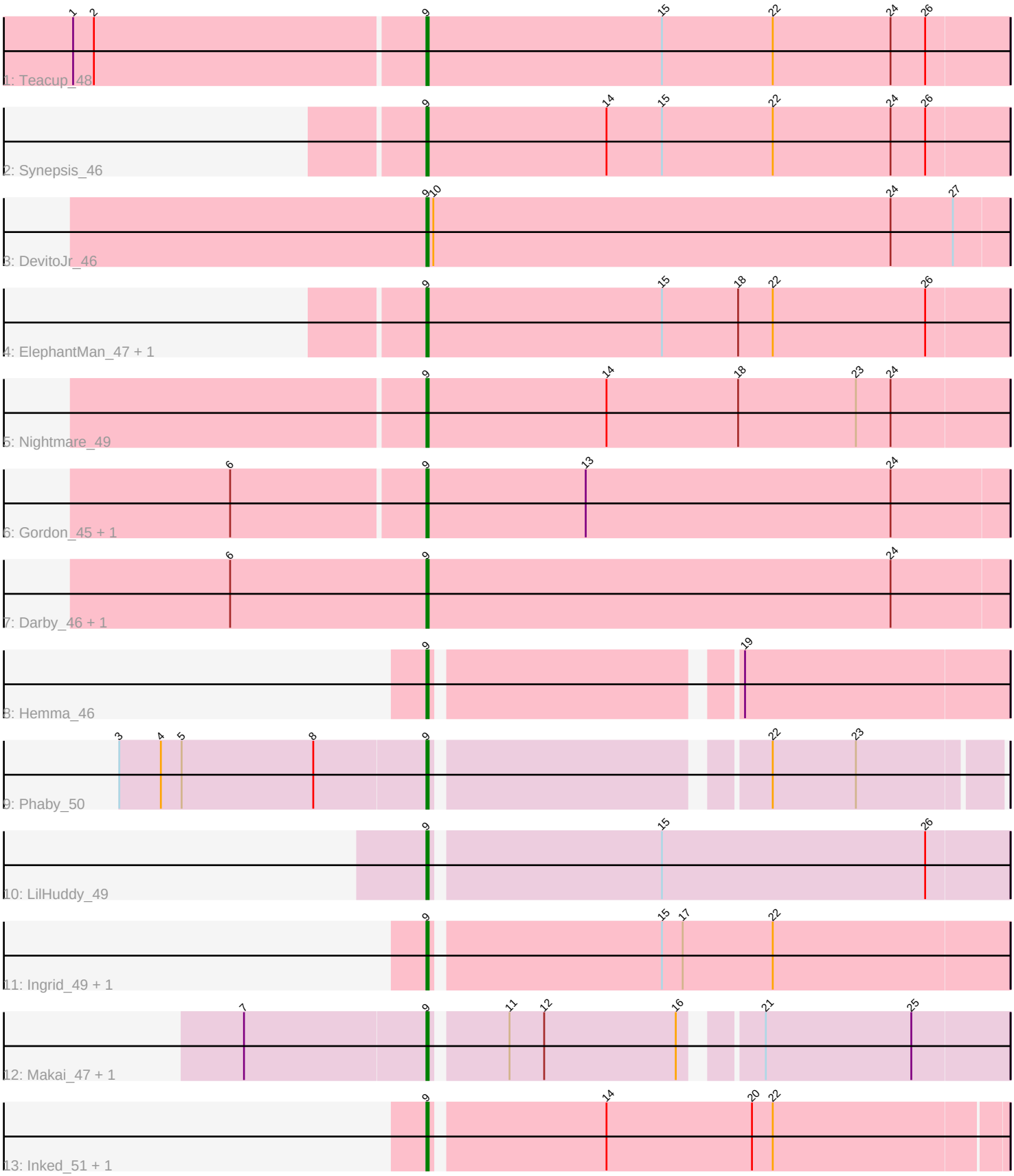
Pham 346198


1: Teacup_48
2: Synepsis_46
3: DevitoJr_46
4: ElephantMan_47 + 1
5: Nightmare_49
6: Gordon_45 + 1
7: Darby_46 + 1
8: Hemma_46
9: Phaby_50
10: LilHuddy_49
11: Ingrid_49 + 1
12: Makai_47 + 1
13: Inked_51 + 1

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 346198 Report

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

Pham number 346198 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Teacup_48
• Track 2 : Synepsis_46
• Track 3 : DevitoJr_46
• Track 4 : ElephantMan_47, Niktson_47
• Track 5 : Nightmare_49
• Track 6 : Gordon_45, CastorTray_50
• Track 7 : Darby_46, Trustiboi_47
• Track 8 : Hemma_46
• Track 9 : Phaby_50
• Track 10 : LilHuddy_49
• Track 11 : Ingrid_49, Loretta_49
• Track 12 : Makai_47, Truckee_45
• Track 13 : Inked_51, Zippen_49

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

The start number called the most often in the published annotations is 9, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CastorTray_50, Darby_46, DevitoJr_46, ElephantMan_47, Gordon_45, Hemma_46, Ingrid_49, Inked_51, LilHuddy_49, Loretta_49, Makai_47, Nightmare_49, Niktson_47, Phaby_50, Synepsis_46, Teacup_48, Truckee_45, Trustiboi_47, Zippen_49,

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 9:
• Found in 19 of 19 (100.0%) of genes in pham

• Manual Annotations of this start: 19 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CastorTray_50 (AU1), Darby_46 (AU1), DevitoJr_46 (AU1), ElephantMan_47 (AU1), Gordon_45 (AU1), Hemma_46 (AU1), Ingrid_49 (AU3), Inked_51 (AU7), LilHuddy_49 (AU2), Loretta_49 (AU3), Makai_47 (AU5), Nightmare_49 (AU1), Niktson_47 (AU1), Phaby_50 (AU2), Synepsis_46 (AU1), Teacup_48 (AU1), Truckee_45 (AU5), Trustiboi_47 (AU1), Zippen_49 (AU7),

Summary by clusters:

There are 5 clusters represented in this pham: AU1, AU3, AU2, AU5, AU7,

Info for manual annotations of cluster AU1:
•Start number 9 was manually annotated 11 times for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 9 was manually annotated 2 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 9 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU5:
•Start number 9 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU7:
•Start number 9 was manually annotated 2 times for cluster AU7.

Gene Information:

Gene: CastorTray_50 Start: 35233, Stop: 35484, Start Num: 9
Candidate Starts for CastorTray_50:
(6, 35152), (Start: 9 @35233 has 19 MA's), (13, 35302), (24, 35434),

Gene: Darby_46 Start: 34407, Stop: 34658, Start Num: 9
Candidate Starts for Darby_46:
(6, 34323), (Start: 9 @34407 has 19 MA's), (24, 34608),

Gene: DevitoJr_46 Start: 34595, Stop: 34846, Start Num: 9
Candidate Starts for DevitoJr_46:
(Start: 9 @34595 has 19 MA's), (10, 34598), (24, 34796), (27, 34823),

Gene: ElephantMan_47 Start: 35085, Stop: 35336, Start Num: 9
Candidate Starts for ElephantMan_47:
(Start: 9 @35085 has 19 MA's), (15, 35187), (18, 35220), (22, 35235), (26, 35301),

Gene: Gordon_45 Start: 35224, Stop: 35475, Start Num: 9
Candidate Starts for Gordon_45:
(6, 35143), (Start: 9 @35224 has 19 MA's), (13, 35293), (24, 35425),

Gene: Hemma_46 Start: 31430, Stop: 31663, Start Num: 9
Candidate Starts for Hemma_46:

(Start: 9 @31430 has 19 MA's), (19, 31550),

Gene: Ingrid_49 Start: 34434, Stop: 34679, Start Num: 9
Candidate Starts for Ingrid_49:
(Start: 9 @34434 has 19 MA's), (15, 34530), (17, 34539), (22, 34578),

Gene: Inked_51 Start: 35565, Stop: 35807, Start Num: 9
Candidate Starts for Inked_51:
(Start: 9 @35565 has 19 MA's), (14, 35637), (20, 35700), (22, 35709),

Gene: LilHuddy_49 Start: 34651, Stop: 34896, Start Num: 9
Candidate Starts for LilHuddy_49:
(Start: 9 @34651 has 19 MA's), (15, 34747), (26, 34861),

Gene: Loretta_49 Start: 34434, Stop: 34679, Start Num: 9
Candidate Starts for Loretta_49:
(Start: 9 @34434 has 19 MA's), (15, 34530), (17, 34539), (22, 34578),

Gene: Makai_47 Start: 34628, Stop: 34861, Start Num: 9
Candidate Starts for Makai_47:
(7, 34550), (Start: 9 @34628 has 19 MA's), (11, 34658), (12, 34673), (16, 34730), (21, 34757), (25, 34820),

Gene: Nightmare_49 Start: 35641, Stop: 35892, Start Num: 9
Candidate Starts for Nightmare_49:
(Start: 9 @35641 has 19 MA's), (14, 35719), (18, 35776), (23, 35827), (24, 35842),

Gene: Niktson_47 Start: 35085, Stop: 35336, Start Num: 9
Candidate Starts for Niktson_47:
(Start: 9 @35085 has 19 MA's), (15, 35187), (18, 35220), (22, 35235), (26, 35301),

Gene: Phaby_50 Start: 35195, Stop: 35422, Start Num: 9
Candidate Starts for Phaby_50:
(3, 35063), (4, 35081), (5, 35090), (8, 35147), (Start: 9 @35195 has 19 MA's), (22, 35327), (23, 35363),

Gene: Synepsis_46 Start: 34754, Stop: 35005, Start Num: 9
Candidate Starts for Synepsis_46:
(Start: 9 @34754 has 19 MA's), (14, 34832), (15, 34856), (22, 34904), (24, 34955), (26, 34970),

Gene: Teacup_48 Start: 35114, Stop: 35365, Start Num: 9
Candidate Starts for Teacup_48:
(1, 34964), (2, 34973), (Start: 9 @35114 has 19 MA's), (15, 35216), (22, 35264), (24, 35315), (26, 35330),

Gene: Truckee_45 Start: 34418, Stop: 34651, Start Num: 9
Candidate Starts for Truckee_45:
(7, 34340), (Start: 9 @34418 has 19 MA's), (11, 34448), (12, 34463), (16, 34520), (21, 34547), (25, 34610),

Gene: Trustiboi_47 Start: 34955, Stop: 35206, Start Num: 9
Candidate Starts for Trustiboi_47:
(6, 34871), (Start: 9 @34955 has 19 MA's), (24, 35156),

Gene: Zippen_49 Start: 35264, Stop: 35506, Start Num: 9
Candidate Starts for Zippen_49:
(Start: 9 @35264 has 19 MA's), (14, 35336), (20, 35399), (22, 35408),