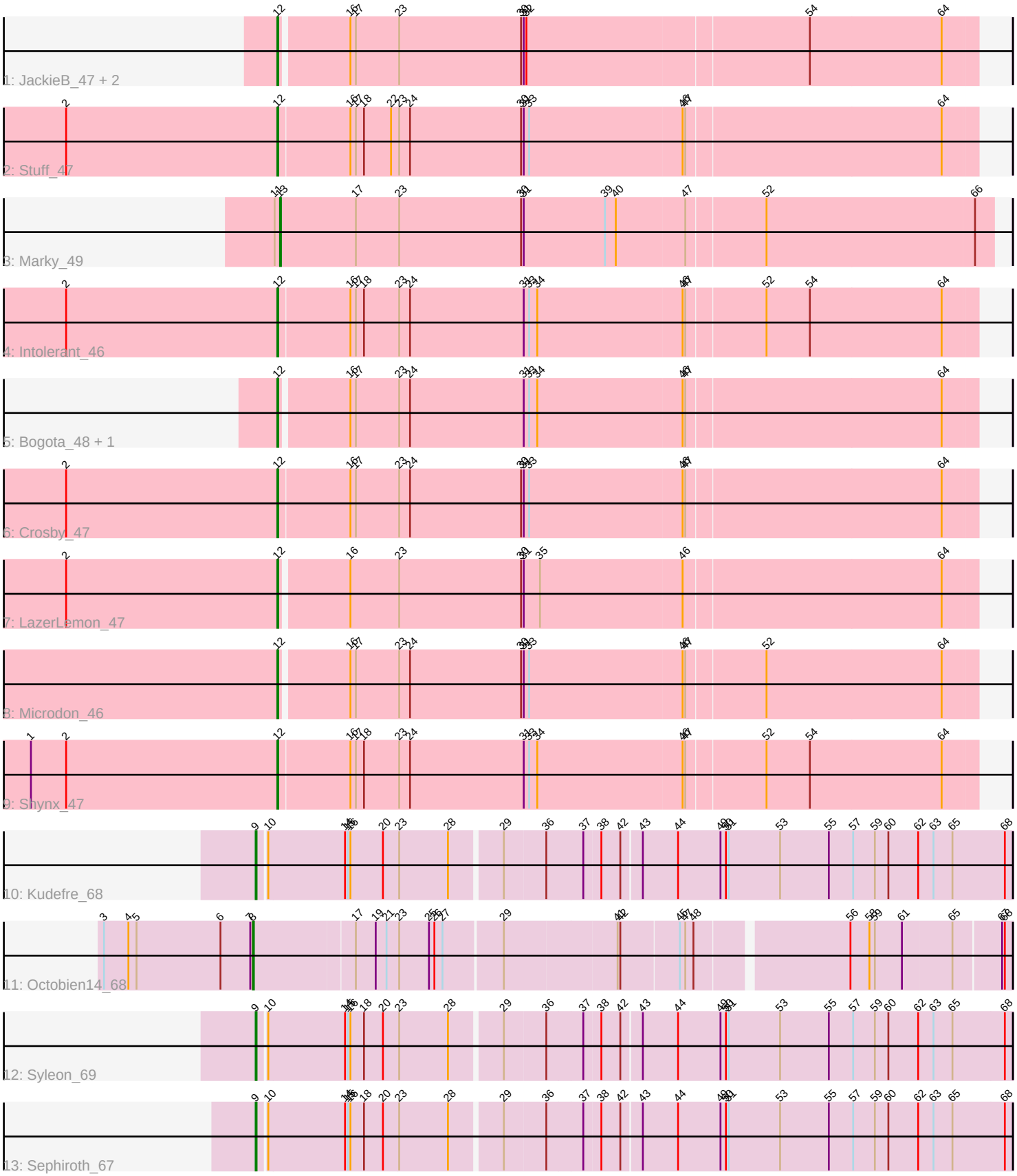
Pham 348123


1: JackieB_47 + 2
2: Stuff_47
3: Marky_49
4: Intolerant_46
5: Bogota_48 + 1
6: Crosby_47
7: LazerLemon_47
8: Microdon_46
9: Shynx_47
10: Kudefre_68
11: Octobien14_68
12: Syleon_69
13: Sephiroth_67

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 348123 Report

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

Pham number 348123 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JackieB_47, Araceli_47, Henoccus_47
• Track 2 : Stuff_47
• Track 3 : Marky_49
• Track 4 : Intolerant_46
• Track 5 : Bogota_48, UNTPL_49
• Track 6 : Crosby_47
• Track 7 : LazerLemon_47
• Track 8 : Microdon_46
• Track 9 : Shynx_47
• Track 10 : Kudefre_68
• Track 11 : Octobien14_68
• Track 12 : Syleon_69
• Track 13 : Sephiroth_67

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 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Araceli_47, Bogota_48, Crosby_47, Henoccus_47, Intolerant_46, JackieB_47, LazerLemon_47, Microdon_46, Shynx_47, Stuff_47, UNTPL_49,

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

Genes that do not have the "Most Annotated" start:
• Kudefre_68, Marky_49, Octobien14_68, Sephiroth_67, Syleon_69,

Summary by start number:

Start 8:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 16

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Octobien14_68 (DU1),

Start 9:
• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 3 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_68 (DU1), Sephiroth_67 (DU1), Syleon_69 (DU1),

Start 12:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 11 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_47 (BH), Bogota_48 (BH), Crosby_47 (BH), Henoccus_47 (BH), Intolerant_46 (BH), JackieB_47 (BH), LazerLemon_47 (BH), Microdon_46 (BH), Shynx_47 (BH), Stuff_47 (BH), UNTPL_49 (BH),

Start 13:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marky_49 (BH),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, BH,

Info for manual annotations of cluster BH:
•Start number 12 was manually annotated 11 times for cluster BH.
•Start number 13 was manually annotated 1 time for cluster BH.

Info for manual annotations of cluster DU1:
•Start number 8 was manually annotated 1 time for cluster DU1.
•Start number 9 was manually annotated 3 times for cluster DU1.

Gene Information:

Gene: Araceli_47 Start: 34357, Stop: 35109, Start Num: 12
Candidate Starts for Araceli_47:
(Start: 12 @34357 has 11 MA's), (16, 34429), (17, 34435), (23, 34483), (30, 34618), (31, 34621), (32, 34624), (54, 34930), (64, 35074),

Gene: Bogota_48 Start: 34899, Stop: 35651, Start Num: 12
Candidate Starts for Bogota_48:
(Start: 12 @34899 has 11 MA's), (16, 34971), (17, 34977), (23, 35025), (24, 35037), (31, 35163), (33, 35169), (34, 35178), (46, 35337), (47, 35340), (64, 35616),

Gene: Crosby_47 Start: 34650, Stop: 35408, Start Num: 12
Candidate Starts for Crosby_47:

(2, 34416), (Start: 12 @34650 has 11 MA's), (16, 34728), (17, 34734), (23, 34782), (24, 34794), (30, 34917), (31, 34920), (33, 34926), (46, 35094), (47, 35097), (64, 35373),

Gene: Henoccus_47 Start: 34374, Stop: 35126, Start Num: 12
Candidate Starts for Henoccus_47:
(Start: 12 @34374 has 11 MA's), (16, 34446), (17, 34452), (23, 34500), (30, 34635), (31, 34638), (32, 34641), (54, 34947), (64, 35091),

Gene: Intolerant_46 Start: 34591, Stop: 35349, Start Num: 12
Candidate Starts for Intolerant_46:
(2, 34357), (Start: 12 @34591 has 11 MA's), (16, 34669), (17, 34675), (18, 34684), (23, 34723), (24, 34735), (31, 34861), (33, 34867), (34, 34876), (46, 35035), (47, 35038), (52, 35122), (54, 35170), (64, 35314),

Gene: JackieB_47 Start: 34213, Stop: 34965, Start Num: 12
Candidate Starts for JackieB_47:
(Start: 12 @34213 has 11 MA's), (16, 34285), (17, 34291), (23, 34339), (30, 34474), (31, 34477), (32, 34480), (54, 34786), (64, 34930),

Gene: Kudefre_68 Start: 43455, Stop: 44261, Start Num: 9
Candidate Starts for Kudefre_68:
(Start: 9 @43455 has 3 MA's), (10, 43464), (14, 43548), (15, 43551), (16, 43554), (20, 43590), (23, 43605), (28, 43659), (29, 43713), (36, 43758), (37, 43797), (38, 43815), (42, 43836), (43, 43857), (44, 43896), (49, 43941), (50, 43947), (51, 43950), (53, 44007), (55, 44061), (57, 44088), (59, 44112), (60, 44127), (62, 44160), (63, 44175), (65, 44196), (68, 44253),

Gene: LazerLemon_47 Start: 35007, Stop: 35759, Start Num: 12
Candidate Starts for LazerLemon_47:
(2, 34773), (Start: 12 @35007 has 11 MA's), (16, 35079), (23, 35133), (30, 35268), (31, 35271), (35, 35289), (46, 35445), (64, 35724),

Gene: Marky_49 Start: 35097, Stop: 35876, Start Num: 13
Candidate Starts for Marky_49:
(11, 35091), (Start: 13 @35097 has 1 MA's), (17, 35181), (23, 35229), (30, 35364), (31, 35367), (39, 35457), (40, 35469), (47, 35544), (52, 35628), (66, 35856),

Gene: Microdon_46 Start: 34403, Stop: 35155, Start Num: 12
Candidate Starts for Microdon_46:
(Start: 12 @34403 has 11 MA's), (16, 34475), (17, 34481), (23, 34529), (24, 34541), (30, 34664), (31, 34667), (33, 34673), (46, 34841), (47, 34844), (52, 34928), (64, 35120),

Gene: Octobien14_68 Start: 43746, Stop: 44540, Start Num: 8
Candidate Starts for Octobien14_68:
(3, 43581), (4, 43608), (5, 43617), (6, 43710), (7, 43743), (Start: 8 @43746 has 1 MA's), (17, 43854), (19, 43875), (21, 43887), (23, 43899), (25, 43932), (26, 43938), (27, 43947), (29, 44010), (41, 44130), (42, 44133), (45, 44196), (47, 44202), (48, 44211), (56, 44367), (58, 44388), (59, 44394), (61, 44424), (65, 44478), (67, 44529), (68, 44532),

Gene: Sephiroth_67 Start: 43627, Stop: 44433, Start Num: 9
Candidate Starts for Sephiroth_67:
(Start: 9 @43627 has 3 MA's), (10, 43636), (14, 43720), (15, 43723), (16, 43726), (18, 43741), (20, 43762), (23, 43777), (28, 43831), (29, 43885), (36, 43930), (37, 43969), (38, 43987), (42, 44008), (43, 44029), (44, 44068), (49, 44113), (50, 44119), (51, 44122), (53, 44179), (55, 44233), (57, 44260), (59,

44284), (60, 44299), (62, 44332), (63, 44347), (65, 44368), (68, 44425),

Gene: Shynx_47 Start: 34827, Stop: 35585, Start Num: 12
Candidate Starts for Shynx_47:
(1, 34554), (2, 34593), (Start: 12 @34827 has 11 MA's), (16, 34905), (17, 34911), (18, 34920), (23, 34959), (24, 34971), (31, 35097), (33, 35103), (34, 35112), (46, 35271), (47, 35274), (52, 35358), (54, 35406), (64, 35550),

Gene: Stuff_47 Start: 34889, Stop: 35647, Start Num: 12
Candidate Starts for Stuff_47:
(2, 34655), (Start: 12 @34889 has 11 MA's), (16, 34967), (17, 34973), (18, 34982), (22, 35012), (23, 35021), (24, 35033), (30, 35156), (31, 35159), (33, 35165), (46, 35333), (47, 35336), (64, 35612),

Gene: Syleon_69 Start: 43568, Stop: 44374, Start Num: 9
Candidate Starts for Syleon_69:
(Start: 9 @43568 has 3 MA's), (10, 43577), (14, 43661), (15, 43664), (16, 43667), (18, 43682), (20, 43703), (23, 43718), (28, 43772), (29, 43826), (36, 43871), (37, 43910), (38, 43928), (42, 43949), (43, 43970), (44, 44009), (49, 44054), (50, 44060), (51, 44063), (53, 44120), (55, 44174), (57, 44201), (59, 44225), (60, 44240), (62, 44273), (63, 44288), (65, 44309), (68, 44366),

Gene: UNTPL_49 Start: 34934, Stop: 35686, Start Num: 12
Candidate Starts for UNTPL_49:
(Start: 12 @34934 has 11 MA's), (16, 35006), (17, 35012), (23, 35060), (24, 35072), (31, 35198), (33, 35204), (34, 35213), (46, 35372), (47, 35375), (64, 35651),