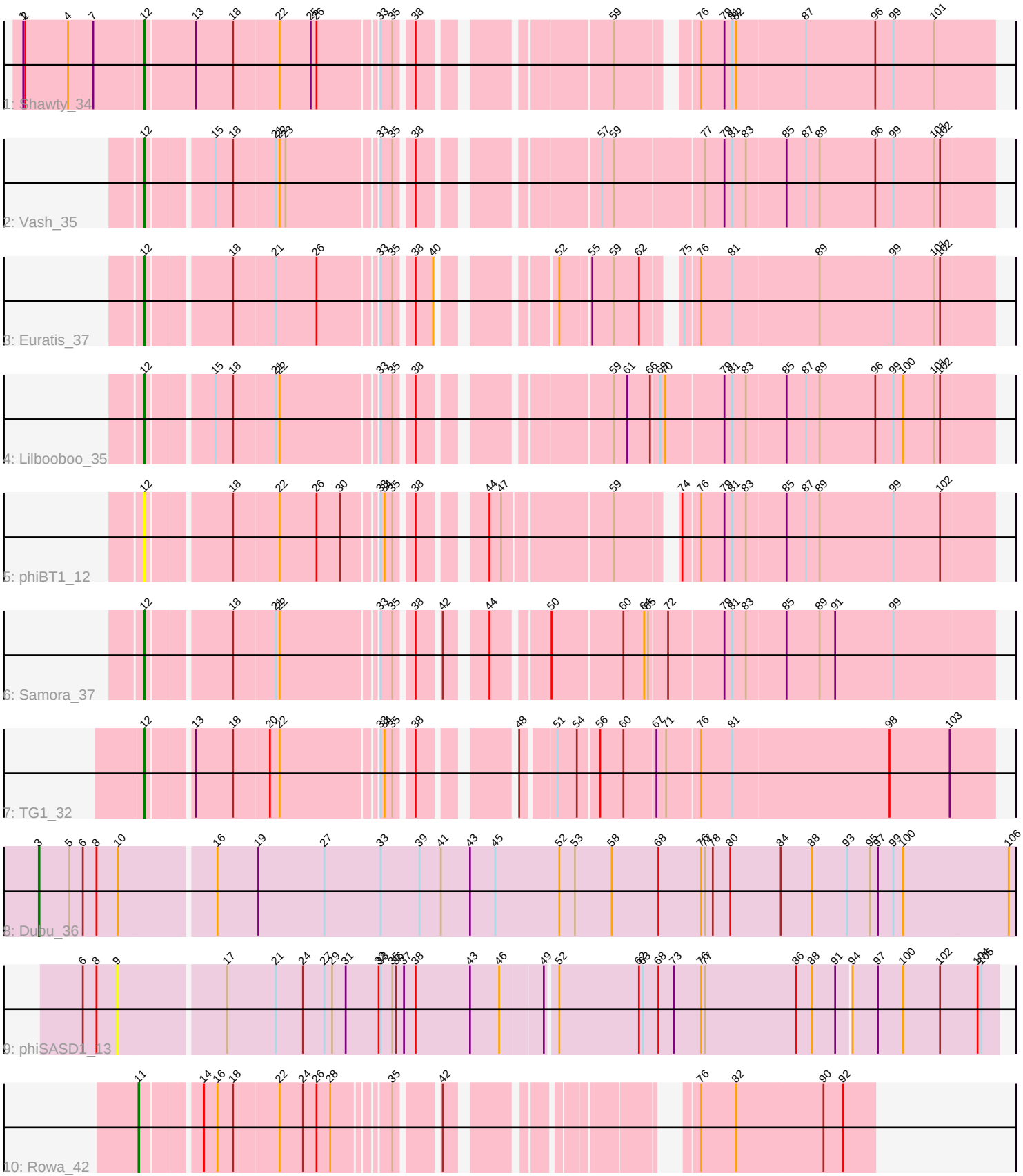
Pham 346362


1: Shawty_34
2: Vash_35
3: Euratis_37
4: Lilbooboo_35
5: phiBT1_12
6: Samora_37
7: TG1_32
8: Dubu_36
9: phiSASD1_13
10: Rowa_42

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 346362 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 346362 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Shawty_34
• Track 2 : Vash_35
• Track 3 : Euratis_37
• Track 4 : Lilbooboo_35
• Track 5 : phiBT1_12
• Track 6 : Samora_37
• Track 7 : TG1_32
• Track 8 : Dubu_36
• Track 9 : phiSASD1_13
• Track 10 : Rowa_42

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Euratis_37, Lilbooboo_35, Samora_37, Shawty_34, TG1_32, Vash_35, phiBT1_12,

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

Genes that do not have the "Most Annotated" start:
• Dubu_36, Rowa_42, phiSASD1_13,

Summary by start number:

Start 3:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dubu_36 (BJ),

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiSASD1_13 (BJ),

Start 11:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rowa_42 (BL),

Start 12:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_37 (BB1), Lilbooboo_35 (BB1), Samora_37 (BB1), Shawty_34 (BB1), TG1_32 (BB1), Vash_35 (BB1), phiBT1_12 (BB1),

Summary by clusters:

There are 3 clusters represented in this pham: BL, BJ, BB1,

Info for manual annotations of cluster BB1:
•Start number 12 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BJ:
•Start number 3 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:
•Start number 11 was manually annotated 1 time for cluster BL.

Gene Information:

Gene: Dubu_36 Start: 29519, Stop: 31012, Start Num: 3
Candidate Starts for Dubu_36:
(Start: 3 @29519 has 1 MA's), (5, 29564), (6, 29585), (8, 29606), (10, 29639), (16, 29780), (19, 29843), (27, 29945), (33, 30032), (39, 30092), (41, 30125), (43, 30170), (45, 30209), (52, 30308), (53, 30332), (58, 30389), (68, 30461), (76, 30527), (77, 30533), (78, 30545), (80, 30572), (84, 30650), (88, 30698), (93, 30752), (95, 30788), (97, 30800), (99, 30824), (100, 30839), (106, 31001),

Gene: Euratis_37 Start: 29190, Stop: 30332, Start Num: 12
Candidate Starts for Euratis_37:
(Start: 12 @29190 has 6 MA's), (18, 29307), (21, 29370), (26, 29433), (33, 29514), (35, 29532), (38, 29556), (40, 29583), (52, 29718), (55, 29760), (59, 29793), (62, 29829), (75, 29868), (76, 29889), (81, 29937), (89, 30069), (99, 30180), (101, 30243), (102, 30252),

Gene: Lilbooboo_35 Start: 29265, Stop: 30440, Start Num: 12
Candidate Starts for Lilbooboo_35:
(Start: 12 @29265 has 6 MA's), (15, 29355), (18, 29382), (21, 29445), (22, 29451), (33, 29589), (35, 29607), (38, 29631), (59, 29874), (61, 29895), (66, 29928), (69, 29940), (70, 29946), (79, 30033), (81, 30045), (83, 30066), (85, 30126), (87, 30156), (89, 30177), (96, 30261), (99, 30288), (100, 30303), (101, 30351), (102, 30360),

Gene: Rowa_42 Start: 32087, Stop: 33013, Start Num: 11
Candidate Starts for Rowa_42:
(Start: 11 @32087 has 1 MA's), (14, 32168), (16, 32189), (18, 32213), (22, 32279), (24, 32315), (26, 32336), (28, 32357), (35, 32429), (42, 32483), (76, 32753), (82, 32804), (90, 32936), (92, 32966),

Gene: Samora_37 Start: 29836, Stop: 31011, Start Num: 12
Candidate Starts for Samora_37:
(Start: 12 @29836 has 6 MA's), (18, 29953), (21, 30016), (22, 30022), (33, 30160), (35, 30178), (38, 30202), (42, 30232), (44, 30283), (50, 30355), (60, 30460), (64, 30490), (65, 30496), (72, 30523), (79, 30604), (81, 30616), (83, 30637), (85, 30697), (89, 30748), (91, 30772), (99, 30859),

Gene: Shawty_34 Start: 29054, Stop: 30220, Start Num: 12
Candidate Starts for Shawty_34:
(1, 28871), (2, 28874), (4, 28940), (7, 28979), (Start: 12 @29054 has 6 MA's), (13, 29129), (18, 29186), (22, 29255), (25, 29303), (26, 29312), (33, 29393), (35, 29411), (38, 29435), (59, 29678), (76, 29774), (79, 29810), (81, 29822), (82, 29828), (87, 29933), (96, 30038), (99, 30065), (101, 30128),

Gene: TG1_32 Start: 28180, Stop: 29352, Start Num: 12
Candidate Starts for TG1_32:
(Start: 12 @28180 has 6 MA's), (13, 28240), (18, 28297), (20, 28351), (22, 28366), (33, 28504), (34, 28510), (35, 28522), (38, 28546), (48, 28660), (51, 28705), (54, 28735), (56, 28762), (60, 28798), (67, 28843), (71, 28858), (76, 28906), (81, 28954), (98, 29191), (103, 29284),

Gene: Vash_35 Start: 29088, Stop: 30263, Start Num: 12
Candidate Starts for Vash_35:
(Start: 12 @29088 has 6 MA's), (15, 29178), (18, 29205), (21, 29268), (22, 29274), (23, 29283), (33, 29412), (35, 29430), (38, 29454), (57, 29679), (59, 29697), (77, 29826), (79, 29856), (81, 29868), (83, 29889), (85, 29949), (87, 29979), (89, 30000), (96, 30084), (99, 30111), (101, 30174), (102, 30183),

Gene: phiBT1_12 Start: 30570, Stop: 31730, Start Num: 12
Candidate Starts for phiBT1_12:
(Start: 12 @30570 has 6 MA's), (18, 30687), (22, 30756), (26, 30813), (30, 30849), (33, 30894), (34, 30900), (35, 30912), (38, 30936), (44, 31017), (47, 31035), (59, 31191), (74, 31263), (76, 31287), (79, 31323), (81, 31335), (83, 31356), (85, 31416), (87, 31446), (89, 31467), (99, 31578), (102, 31650),

Gene: phiSASD1_13 Start: 30375, Stop: 31697, Start Num: 9
Candidate Starts for phiSASD1_13:
(6, 30327), (8, 30345), (9, 30375), (17, 30531), (21, 30606), (24, 30648), (27, 30681), (29, 30693), (31, 30714), (32, 30765), (33, 30768), (35, 30786), (36, 30792), (37, 30804), (38, 30822), (43, 30903), (46, 30948), (49, 31011), (52, 31026), (62, 31149), (63, 31155), (68, 31179), (73, 31203), (76, 31245), (77, 31251), (86, 31392), (88, 31416), (91, 31452), (94, 31473), (97, 31512), (100, 31551), (102, 31608), (104, 31665), (105, 31671),