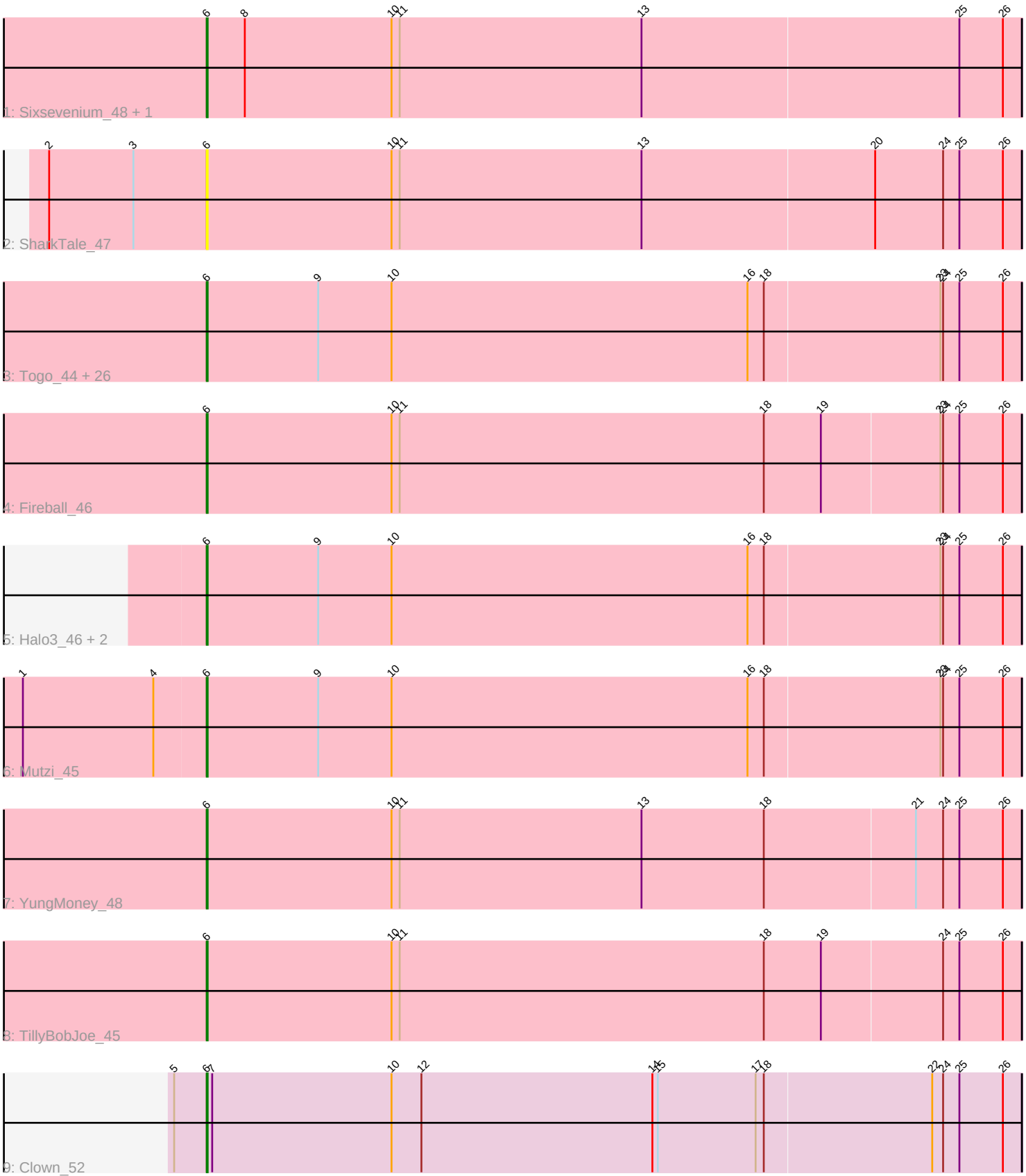
Pham 347816


1: Sixsevenium_48 + 1
2: SharkTale_47
3: Togo_44 + 26
4: Fireball_46
5: Halo3_46 + 2
6: Mutzi_45
7: YungMoney_48
8: TillyBobJoe_45
9: Clown_52

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 347816 Report

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

Pham number 347816 has 38 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Sixsevenium_48, Bakery_50
• Track 2 : SharkTale_47
• Track 3 : Togo_44, RogerDodger_48, Savbucketdawg_45, Danyall_47, Nubi_45, Arri_48, Twister6_47, Barb_47, Phlop_44, PullumCavea_44, Fugax_48, CoveyB_48, Wizard_44, Egi03_45, PinkCoffee_47, Jambalaya_45, VanDeWege_48, Sendy_46, Valary_47, ClamChowder_47, Gezellig_44, Shinji_45, KimmyK_46, CherryCola_48, Salvador_44, SmokingBunny_45, Evamon_44
• Track 4 : Fireball_46
• Track 5 : Halo3_46, JohnPork_47, Portcullis_47
• Track 6 : Mutzi_45
• Track 7 : YungMoney_48
• Track 8 : TillyBobJoe_45
• Track 9 : Clown_52

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_48, Bakery_50, Barb_47, CherryCola_48, ClamChowder_47, Clown_52, CoveyB_48, Danyall_47, Egi03_45, Evamon_44, Fireball_46, Fugax_48, Gezellig_44, Halo3_46, Jambalaya_45, JohnPork_47, KimmyK_46, Mutzi_45, Nubi_45, Phlop_44, PinkCoffee_47, Portcullis_47, PullumCavea_44, RogerDodger_48, Salvador_44, Savbucketdawg_45, Sendy_46, SharkTale_47, Shinji_45, Sixsevenium_48, SmokingBunny_45, TillyBobJoe_45, Togo_44, Twister6_47, Valary_47, VanDeWege_48, Wizard_44, YungMoney_48,

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 38 of 38 (100.0%) of genes in pham
• Manual Annotations of this start: 33 of 33
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_48 (DC1), Bakery_50 (DC1), Barb_47 (DC1), CherryCola_48 (DC1), ClamChowder_47 (DC1), Clown_52 (DC2), CoveyB_48 (DC1), Danyall_47 (DC1), Egi03_45 (DC1), Evamon_44 (DC1), Fireball_46 (DC1), Fugax_48 (DC1), Gezellig_44 (DC1), Halo3_46 (DC1), Jambalaya_45 (DC1), JohnPork_47 (DC1), KimmyK_46 (DC1), Mutzi_45 (DC1), Nubi_45 (DC1), Phlop_44 (DC1), PinkCoffee_47 (DC1), Portcullis_47 (DC1), PullumCavea_44 (DC1), RogerDodger_48 (DC1), Salvador_44 (DC1), Savbucketdawg_45 (DC1), Sendy_46 (DC1), SharkTale_47 (DC1), Shinji_45 (DC1), Sixsevenium_48 (DC1), SmokingBunny_45 (DC1), TillyBobJoe_45 (DC1), Togo_44 (DC1), Twister6_47 (DC1), Valary_47 (DC1), VanDeWege_48 (DC1), Wizard_44 (DC1), YungMoney_48 (DC1),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DC1,

Info for manual annotations of cluster DC1:
•Start number 6 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 6 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Arri_48 Start: 37164, Stop: 38060, Start Num: 6
Candidate Starts for Arri_48:
(Start: 6 @37164 has 33 MA's), (9, 37287), (10, 37368), (16, 37761), (18, 37779), (23, 37971), (24, 37974), (25, 37992), (26, 38040),

Gene: Bakery_50 Start: 38311, Stop: 39207, Start Num: 6
Candidate Starts for Bakery_50:
(Start: 6 @38311 has 33 MA's), (8, 38353), (10, 38515), (11, 38524), (13, 38791), (25, 39139), (26, 39187),

Gene: Barb_47 Start: 37283, Stop: 38179, Start Num: 6
Candidate Starts for Barb_47:
(Start: 6 @37283 has 33 MA's), (9, 37406), (10, 37487), (16, 37880), (18, 37898), (23, 38090), (24, 38093), (25, 38111), (26, 38159),

Gene: CherryCola_48 Start: 37937, Stop: 38833, Start Num: 6
Candidate Starts for CherryCola_48:
(Start: 6 @37937 has 33 MA's), (9, 38060), (10, 38141), (16, 38534), (18, 38552), (23, 38744), (24, 38747), (25, 38765), (26, 38813),

Gene: ClamChowder_47 Start: 37283, Stop: 38179, Start Num: 6

Candidate Starts for ClamChowder_47:
(Start: 6 @37283 has 33 MA's), (9, 37406), (10, 37487), (16, 37880), (18, 37898), (23, 38090), (24, 38093), (25, 38111), (26, 38159),

Gene: Clown_52 Start: 39867, Stop: 40763, Start Num: 6
Candidate Starts for Clown_52:
(5, 39831), (Start: 6 @39867 has 33 MA's), (7, 39873), (10, 40071), (12, 40104), (14, 40359), (15, 40365), (17, 40473), (18, 40482), (22, 40665), (24, 40677), (25, 40695), (26, 40743),

Gene: CoveyB_48 Start: 36982, Stop: 37878, Start Num: 6
Candidate Starts for CoveyB_48:
(Start: 6 @36982 has 33 MA's), (9, 37105), (10, 37186), (16, 37579), (18, 37597), (23, 37789), (24, 37792), (25, 37810), (26, 37858),

Gene: Danyall_47 Start: 36984, Stop: 37880, Start Num: 6
Candidate Starts for Danyall_47:
(Start: 6 @36984 has 33 MA's), (9, 37107), (10, 37188), (16, 37581), (18, 37599), (23, 37791), (24, 37794), (25, 37812), (26, 37860),

Gene: Egi03_45 Start: 36764, Stop: 37660, Start Num: 6
Candidate Starts for Egi03_45:
(Start: 6 @36764 has 33 MA's), (9, 36887), (10, 36968), (16, 37361), (18, 37379), (23, 37571), (24, 37574), (25, 37592), (26, 37640),

Gene: Evamon_44 Start: 37003, Stop: 37899, Start Num: 6
Candidate Starts for Evamon_44:
(Start: 6 @37003 has 33 MA's), (9, 37126), (10, 37207), (16, 37600), (18, 37618), (23, 37810), (24, 37813), (25, 37831), (26, 37879),

Gene: Fireball_46 Start: 37232, Stop: 38128, Start Num: 6
Candidate Starts for Fireball_46:
(Start: 6 @37232 has 33 MA's), (10, 37436), (11, 37445), (18, 37847), (19, 37910), (23, 38039), (24, 38042), (25, 38060), (26, 38108),

Gene: Fugax_48 Start: 37275, Stop: 38171, Start Num: 6
Candidate Starts for Fugax_48:
(Start: 6 @37275 has 33 MA's), (9, 37398), (10, 37479), (16, 37872), (18, 37890), (23, 38082), (24, 38085), (25, 38103), (26, 38151),

Gene: Gezellig_44 Start: 37135, Stop: 38031, Start Num: 6
Candidate Starts for Gezellig_44:
(Start: 6 @37135 has 33 MA's), (9, 37258), (10, 37339), (16, 37732), (18, 37750), (23, 37942), (24, 37945), (25, 37963), (26, 38011),

Gene: Halo3_46 Start: 37720, Stop: 38616, Start Num: 6
Candidate Starts for Halo3_46:
(Start: 6 @37720 has 33 MA's), (9, 37843), (10, 37924), (16, 38317), (18, 38335), (23, 38527), (24, 38530), (25, 38548), (26, 38596),

Gene: Jambalaya_45 Start: 36782, Stop: 37678, Start Num: 6
Candidate Starts for Jambalaya_45:
(Start: 6 @36782 has 33 MA's), (9, 36905), (10, 36986), (16, 37379), (18, 37397), (23, 37589), (24, 37592), (25, 37610), (26, 37658),

Gene: JohnPork_47 Start: 36795, Stop: 37691, Start Num: 6
Candidate Starts for JohnPork_47:
(Start: 6 @36795 has 33 MA's), (9, 36918), (10, 36999), (16, 37392), (18, 37410), (23, 37602), (24, 37605), (25, 37623), (26, 37671),

Gene: KimmyK_46 Start: 37717, Stop: 38613, Start Num: 6
Candidate Starts for KimmyK_46:
(Start: 6 @37717 has 33 MA's), (9, 37840), (10, 37921), (16, 38314), (18, 38332), (23, 38524), (24, 38527), (25, 38545), (26, 38593),

Gene: Mutzi_45 Start: 38129, Stop: 39025, Start Num: 6
Candidate Starts for Mutzi_45:
(1, 37928), (4, 38072), (Start: 6 @38129 has 33 MA's), (9, 38252), (10, 38333), (16, 38726), (18, 38744), (23, 38936), (24, 38939), (25, 38957), (26, 39005),

Gene: Nubi_45 Start: 37108, Stop: 38004, Start Num: 6
Candidate Starts for Nubi_45:
(Start: 6 @37108 has 33 MA's), (9, 37231), (10, 37312), (16, 37705), (18, 37723), (23, 37915), (24, 37918), (25, 37936), (26, 37984),

Gene: Phlop_44 Start: 37189, Stop: 38085, Start Num: 6
Candidate Starts for Phlop_44:
(Start: 6 @37189 has 33 MA's), (9, 37312), (10, 37393), (16, 37786), (18, 37804), (23, 37996), (24, 37999), (25, 38017), (26, 38065),

Gene: PinkCoffee_47 Start: 37292, Stop: 38188, Start Num: 6
Candidate Starts for PinkCoffee_47:
(Start: 6 @37292 has 33 MA's), (9, 37415), (10, 37496), (16, 37889), (18, 37907), (23, 38099), (24, 38102), (25, 38120), (26, 38168),

Gene: Portcullis_47 Start: 36795, Stop: 37691, Start Num: 6
Candidate Starts for Portcullis_47:
(Start: 6 @36795 has 33 MA's), (9, 36918), (10, 36999), (16, 37392), (18, 37410), (23, 37602), (24, 37605), (25, 37623), (26, 37671),

Gene: PullumCavea_44 Start: 37189, Stop: 38085, Start Num: 6
Candidate Starts for PullumCavea_44:
(Start: 6 @37189 has 33 MA's), (9, 37312), (10, 37393), (16, 37786), (18, 37804), (23, 37996), (24, 37999), (25, 38017), (26, 38065),

Gene: RogerDodger_48 Start: 37332, Stop: 38228, Start Num: 6
Candidate Starts for RogerDodger_48:
(Start: 6 @37332 has 33 MA's), (9, 37455), (10, 37536), (16, 37929), (18, 37947), (23, 38139), (24, 38142), (25, 38160), (26, 38208),

Gene: Salvador_44 Start: 37001, Stop: 37897, Start Num: 6
Candidate Starts for Salvador_44:
(Start: 6 @37001 has 33 MA's), (9, 37124), (10, 37205), (16, 37598), (18, 37616), (23, 37808), (24, 37811), (25, 37829), (26, 37877),

Gene: Savbucketdawg_45 Start: 36782, Stop: 37678, Start Num: 6
Candidate Starts for Savbucketdawg_45:

(Start: 6 @36782 has 33 MA's), (9, 36905), (10, 36986), (16, 37379), (18, 37397), (23, 37589), (24, 37592), (25, 37610), (26, 37658),

Gene: Sendy_46 Start: 37309, Stop: 38205, Start Num: 6
Candidate Starts for Sendy_46:
(Start: 6 @37309 has 33 MA's), (9, 37432), (10, 37513), (16, 37906), (18, 37924), (23, 38116), (24, 38119), (25, 38137), (26, 38185),

Gene: SharkTale_47 Start: 38129, Stop: 39025, Start Num: 6
Candidate Starts for SharkTale_47:
(2, 37955), (3, 38048), (Start: 6 @38129 has 33 MA's), (10, 38333), (11, 38342), (13, 38609), (20, 38864), (24, 38939), (25, 38957), (26, 39005),

Gene: Shinji_45 Start: 36545, Stop: 37441, Start Num: 6
Candidate Starts for Shinji_45:
(Start: 6 @36545 has 33 MA's), (9, 36668), (10, 36749), (16, 37142), (18, 37160), (23, 37352), (24, 37355), (25, 37373), (26, 37421),

Gene: Sixsevenium_48 Start: 37540, Stop: 38436, Start Num: 6
Candidate Starts for Sixsevenium_48:
(Start: 6 @37540 has 33 MA's), (8, 37582), (10, 37744), (11, 37753), (13, 38020), (25, 38368), (26, 38416),

Gene: SmokingBunny_45 Start: 37094, Stop: 37990, Start Num: 6
Candidate Starts for SmokingBunny_45:
(Start: 6 @37094 has 33 MA's), (9, 37217), (10, 37298), (16, 37691), (18, 37709), (23, 37901), (24, 37904), (25, 37922), (26, 37970),

Gene: TillyBobJoe_45 Start: 36898, Stop: 37794, Start Num: 6
Candidate Starts for TillyBobJoe_45:
(Start: 6 @36898 has 33 MA's), (10, 37102), (11, 37111), (18, 37513), (19, 37576), (24, 37708), (25, 37726), (26, 37774),

Gene: Togo_44 Start: 37094, Stop: 37990, Start Num: 6
Candidate Starts for Togo_44:
(Start: 6 @37094 has 33 MA's), (9, 37217), (10, 37298), (16, 37691), (18, 37709), (23, 37901), (24, 37904), (25, 37922), (26, 37970),

Gene: Twister6_47 Start: 36895, Stop: 37791, Start Num: 6
Candidate Starts for Twister6_47:
(Start: 6 @36895 has 33 MA's), (9, 37018), (10, 37099), (16, 37492), (18, 37510), (23, 37702), (24, 37705), (25, 37723), (26, 37771),

Gene: Valary_47 Start: 37937, Stop: 38833, Start Num: 6
Candidate Starts for Valary_47:
(Start: 6 @37937 has 33 MA's), (9, 38060), (10, 38141), (16, 38534), (18, 38552), (23, 38744), (24, 38747), (25, 38765), (26, 38813),

Gene: VanDeWege_48 Start: 37229, Stop: 38125, Start Num: 6
Candidate Starts for VanDeWege_48:
(Start: 6 @37229 has 33 MA's), (9, 37352), (10, 37433), (16, 37826), (18, 37844), (23, 38036), (24, 38039), (25, 38057), (26, 38105),

Gene: Wizard_44 Start: 37135, Stop: 38031, Start Num: 6
Candidate Starts for Wizard_44:
(Start: 6 @37135 has 33 MA's), (9, 37258), (10, 37339), (16, 37732), (18, 37750), (23, 37942), (24, 37945), (25, 37963), (26, 38011),

Gene: YungMoney_48 Start: 39537, Stop: 40433, Start Num: 6
Candidate Starts for YungMoney_48:
(Start: 6 @39537 has 33 MA's), (10, 39741), (11, 39750), (13, 40017), (18, 40152), (21, 40317), (24, 40347), (25, 40365), (26, 40413),