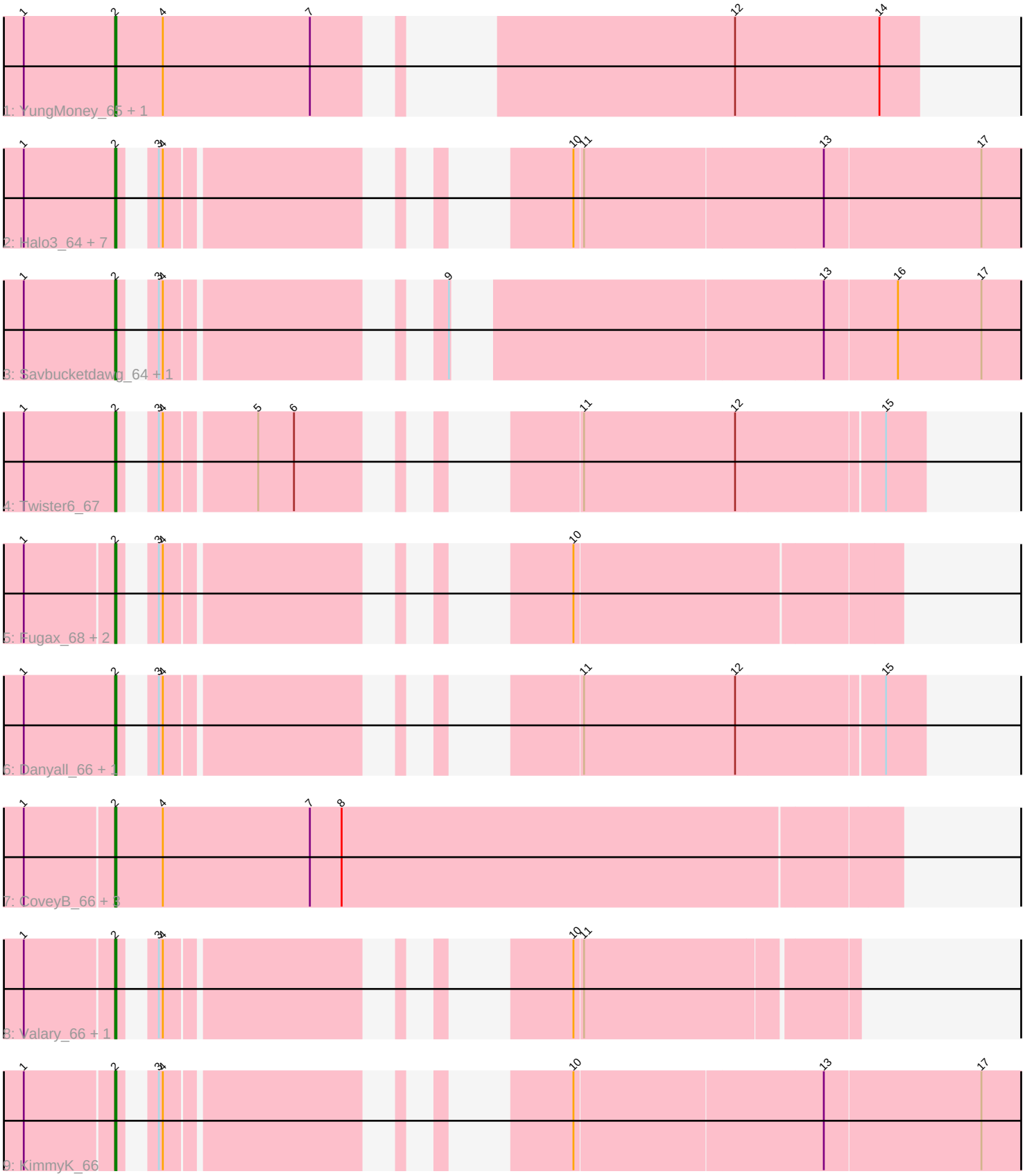
Pham 296894


1: YungMoney_65 + 1
2: Halo3_64 + 7
3: Savbucketdawg_64 + 1
4: Twister6_67
5: Fugax_68 + 2
6: Danyall_66 + 1
7: CoveyB_66 + 6
8: Valary_66 + 1
9: KimmyK_66

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 296894 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296894 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : YungMoney_65, Mutzi_64
• Track 2 : Halo3_64, Fireball_68, TillyBobJoe_65, JohnPork_68, Wizard_63, CherryCola_66, Gezellig_63, Portcullis_67
• Track 3 : Savbucketdawg_64, Jambalaya_64
• Track 4 : Twister6_67
• Track 5 : Fugax_68, Barb_67, ClamChowder_67
• Track 6 : Danyall_66, Arri_66
• Track 7 : CoveyB_66, VanDeWege_67, Nubi_65, Sendy_66
• Track 8 : Valary_66, Shinji_64
• Track 9 : KimmyK_66

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

The start number called the most often in the published annotations is 2, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_66, Barb_67, CherryCola_66, ClamChowder_67, CoveyB_66, Danyall_66, Fireball_68, Fugax_68, Gezellig_63, Halo3_64, Jambalaya_64, JohnPork_68, KimmyK_66, Mutzi_64, Nubi_65, Portcullis_67, Savbucketdawg_64, Sendy_66, Shinji_64, TillyBobJoe_65, Twister6_67, Valary_66, VanDeWege_67, Wizard_63, YungMoney_65,

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 2:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 22

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_66 (DC1), Barb_67 (DC1), CherryCola_66 (DC1), ClamChowder_67 (DC1), CoveyB_66 (DC1), Danyall_66 (DC1), Fireball_68 (DC1), Fugax_68 (DC1), Gezellig_63 (DC1), Halo3_64 (DC1), Jambalaya_64 (DC1), JohnPork_68 (DC), KimmyK_66 (DC1), Mutzi_64 (DC1), Nubi_65 (DC1), Portcullis_67 (DC1), Savbucketdawg_64 (DC1), Sendy_66 (DC), Shinji_64 (DC1), TillyBobJoe_65 (DC1), Twister6_67 (DC1), Valary_66 (DC1), VanDeWege_67 (DC1), Wizard_63 (DC1), YungMoney_65 (DC1),

Summary by clusters:

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

Info for manual annotations of cluster DC1:
•Start number 2 was manually annotated 22 times for cluster DC1.

Gene Information:

Gene: Arri_66 Start: 48239, Stop: 48718, Start Num: 2
Candidate Starts for Arri_66:
(1, 48170), (Start: 2 @48239 has 22 MA's), (3, 48254), (4, 48257), (11, 48467), (12, 48581), (15, 48689),

Gene: Barb_67 Start: 48116, Stop: 48577, Start Num: 2
Candidate Starts for Barb_67:
(1, 48050), (Start: 2 @48116 has 22 MA's), (3, 48131), (4, 48134), (10, 48338),

Gene: CherryCola_66 Start: 48857, Stop: 49420, Start Num: 2
Candidate Starts for CherryCola_66:
(1, 48788), (Start: 2 @48857 has 22 MA's), (3, 48872), (4, 48875), (10, 49079), (11, 49085), (13, 49262), (17, 49379),

Gene: ClamChowder_67 Start: 48116, Stop: 48577, Start Num: 2
Candidate Starts for ClamChowder_67:
(1, 48050), (Start: 2 @48116 has 22 MA's), (3, 48131), (4, 48134), (10, 48338),

Gene: CoveyB_66 Start: 47947, Stop: 48534, Start Num: 2
Candidate Starts for CoveyB_66:
(1, 47881), (Start: 2 @47947 has 22 MA's), (4, 47983), (7, 48094), (8, 48118),

Gene: Danyall_66 Start: 48207, Stop: 48686, Start Num: 2
Candidate Starts for Danyall_66:
(1, 48138), (Start: 2 @48207 has 22 MA's), (3, 48222), (4, 48225), (11, 48435), (12, 48549), (15, 48657),

Gene: Fireball_68 Start: 48509, Stop: 49072, Start Num: 2
Candidate Starts for Fireball_68:
(1, 48440), (Start: 2 @48509 has 22 MA's), (3, 48524), (4, 48527), (10, 48731), (11, 48737), (13, 48914), (17, 49031),

Gene: Fugax_68 Start: 48108, Stop: 48569, Start Num: 2
Candidate Starts for Fugax_68:
(1, 48042), (Start: 2 @48108 has 22 MA's), (3, 48123), (4, 48126), (10, 48330),

Gene: Gezellig_63 Start: 48103, Stop: 48666, Start Num: 2
Candidate Starts for Gezellig_63:
(1, 48034), (Start: 2 @48103 has 22 MA's), (3, 48118), (4, 48121), (10, 48325), (11, 48331), (13, 48508), (17, 48625),

Gene: Halo3_64 Start: 48688, Stop: 49251, Start Num: 2
Candidate Starts for Halo3_64:
(1, 48619), (Start: 2 @48688 has 22 MA's), (3, 48703), (4, 48706), (10, 48910), (11, 48916), (13, 49093), (17, 49210),

Gene: Jambalaya_64 Start: 47983, Stop: 48564, Start Num: 2
Candidate Starts for Jambalaya_64:
(1, 47914), (Start: 2 @47983 has 22 MA's), (3, 47998), (4, 48001), (9, 48160), (13, 48406), (16, 48460), (17, 48523),

Gene: JohnPork_68 Start: 48240, Stop: 48803, Start Num: 2
Candidate Starts for JohnPork_68:
(1, 48171), (Start: 2 @48240 has 22 MA's), (3, 48255), (4, 48258), (10, 48462), (11, 48468), (13, 48645), (17, 48762),

Gene: KimmyK_66 Start: 48550, Stop: 49113, Start Num: 2
Candidate Starts for KimmyK_66:
(1, 48484), (Start: 2 @48550 has 22 MA's), (3, 48565), (4, 48568), (10, 48772), (13, 48955), (17, 49072),

Gene: Mutzi_64 Start: 49385, Stop: 49894, Start Num: 2
Candidate Starts for Mutzi_64:
(1, 49316), (Start: 2 @49385 has 22 MA's), (4, 49421), (7, 49532), (12, 49757), (14, 49865),

Gene: Nubi_65 Start: 47759, Stop: 48346, Start Num: 2
Candidate Starts for Nubi_65:
(1, 47693), (Start: 2 @47759 has 22 MA's), (4, 47795), (7, 47906), (8, 47930),

Gene: Portcullis_67 Start: 48240, Stop: 48803, Start Num: 2
Candidate Starts for Portcullis_67:
(1, 48171), (Start: 2 @48240 has 22 MA's), (3, 48255), (4, 48258), (10, 48462), (11, 48468), (13, 48645), (17, 48762),

Gene: Savbucketdawg_64 Start: 47983, Stop: 48564, Start Num: 2
Candidate Starts for Savbucketdawg_64:
(1, 47914), (Start: 2 @47983 has 22 MA's), (3, 47998), (4, 48001), (9, 48160), (13, 48406), (16, 48460), (17, 48523),

Gene: Sendy_66 Start: 47960, Stop: 48547, Start Num: 2
Candidate Starts for Sendy_66:
(1, 47894), (Start: 2 @47960 has 22 MA's), (4, 47996), (7, 48107), (8, 48131),

Gene: Shinji_64 Start: 47822, Stop: 48247, Start Num: 2
Candidate Starts for Shinji_64:

(1, 47756), (Start: 2 @47822 has 22 MA's), (3, 47837), (4, 47840), (10, 48044), (11, 48050),

Gene: TillyBobJoe_65 Start: 48109, Stop: 48672, Start Num: 2
Candidate Starts for TillyBobJoe_65:
(1, 48040), (Start: 2 @48109 has 22 MA's), (3, 48124), (4, 48127), (10, 48331), (11, 48337), (13, 48514), (17, 48631),

Gene: Twister6_67 Start: 48010, Stop: 48489, Start Num: 2
Candidate Starts for Twister6_67:
(1, 47941), (Start: 2 @48010 has 22 MA's), (3, 48025), (4, 48028), (5, 48091), (6, 48118), (11, 48238), (12, 48352), (15, 48460),

Gene: Valary_66 Start: 48860, Stop: 49285, Start Num: 2
Candidate Starts for Valary_66:
(1, 48794), (Start: 2 @48860 has 22 MA's), (3, 48875), (4, 48878), (10, 49082), (11, 49088),

Gene: VanDeWege_67 Start: 48194, Stop: 48781, Start Num: 2
Candidate Starts for VanDeWege_67:
(1, 48128), (Start: 2 @48194 has 22 MA's), (4, 48230), (7, 48341), (8, 48365),

Gene: Wizard_63 Start: 48103, Stop: 48666, Start Num: 2
Candidate Starts for Wizard_63:
(1, 48034), (Start: 2 @48103 has 22 MA's), (3, 48118), (4, 48121), (10, 48325), (11, 48331), (13, 48508), (17, 48625),

Gene: YungMoney_65 Start: 50225, Stop: 50734, Start Num: 2
Candidate Starts for YungMoney_65:
(1, 50156), (Start: 2 @50225 has 22 MA's), (4, 50261), (7, 50372), (12, 50597), (14, 50705),